



SURGICAL CATALOGUE



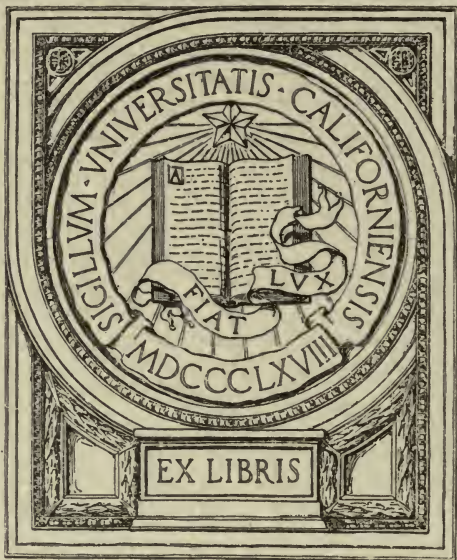
WM. HATTEROTH'S
SURGICAL HOUSE

228-230-232 POWELL STREET

SAN FRANCISCO, CALIFORNIA

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EXCHANGE



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William Hatteroth,
PROPRIETOR *and* FOUNDER OF
WM HATTEROTH'S SURGICAL HOUSE 1869.

"OUR MOTTO"
"THE GOLDEN RULE"
TO WHICH WE ATTRIBUTE OUR 42 YEARS
OF BUSINESS SUCCESS



Dr. W.H.C. Hatteroth, General Manager.



A COZY CORNER IN ONE OF OUR OFFICES



OUR SAMPLE FLOOR OF HOSPITAL FURNITURE



OUR HOME



A CORNER OF OUR SHOP



THE SURGICAL INSTRUMENT DEPARTMENT

Page	Catalog Number	Errata	Price
7	A-5	Brain Knife, should read Cartilage Knife.	
13	A-386	The Pulsograph Watch, No. 415, price should read.....	\$20 00
57	A-2658	Infusion Apparatus, name should read Haslam-Kelly's.	
85	B-8	Esmarch's Folding Mask with Cover, price should read.....	1 25
85	B-46	Yankauer's, folding mask only, name should read Richter-Yankauer's.	
85	B-55	Number under illustration should read 50-57.	
99	B-262	Number under illustration should read B-265.	
103	B-370	Pean's, curved, box joint, 6¼ in., (also known as Rochester)...	1 75
103	B-371	Rochester, straight, box joint, 6¼ in., should read (same as B-367)	1 50
103	B-372	Rochester, straight, box joint, 6¼ in., should read (same as B-367)	2 00
114	B-805	Number under illustration should read B-815.	
115	B-795	Number in printed list should read B-796.	
122	B-1109	Number under illustration should read B-1100.	
122	B-1015	Number under illustration should read B-1115.	
154	B-2297	Malsah Wound Clip Scissors, (illustrated but not listed).....	1 25
194	C-126	Number under illustration should read C-120.	
196	C-462	DeWecker's Probe, (illustrated but not listed).....	1 25
207	C-1325	Number under upper illustration should read C-1355.	
209	C-1415	Eustachian Bougies, Whalebone, price should read.....	2 00
209	C-1943	Number in printed list should read C-1493.	
247	C-3281	Number under illustration and in printed list should read C-3286.	
247	C-3282	Number under illustration and in printed list should read C-3287.	
247	C-3284	Number under illustration and in printed list should read C-3288.	
264	C-3820	Number under illustration should read C-3830.	
264	C-3830	Number under illustration should read C-3820.	
264	C-3825	Number under illustration should read C-3870.	
264	C-3870	Number under illustration should read C-3825.	
269	C-3916	Number under illustration and in printed list should read C-3916a.	
269	C-3917	Number under illustration and in printed list should read C-3917a.	
269	C-3918	Number under illustration and in printed list should read C-3918a.	
269	C-3919	Number under illustration and in printed list should read C-3919a.	
269	C-3921	Number under illustration and in printed list should read C-3921a.	
269	C-3922	Number under illustration and in printed list should read C-3922a.	
269	C-3938	Number under illustration and in printed list should read C-3938a.	
277	C-4396	Number and matter in printed list (fifth line) should read C-4394a Frankel's, with head mirror, aluminum back, 3½ in.	4 75
278	C-4488	Number under illustration should read C-4511 and in printed list, page 279, should read C-4511 Saalfeld's, short, with acne lancet	25
279	C-4488	In printed list is not illustrated, price should read.....	75
286	C-4832	Number under illustration and in printed list should read C-4833.	
313	C-6570	Jackson's Pin Cutter, also known as Casselberry's.	
341	D-655	Number under illustration and in printed list should read D-661.	
341	D-660	Number under illustration and in printed list should read D-662.	
341	D-665	Number under illustration and in printed list should read D-663.	
363	D-1455	Dittle's Urethral Forceps, price should read	10 00
366	E-130	Number under illustration should read E-67.	
367	E-6	Beebe's Trivalve, 1 size, price should read.....	3 00
399	E-1286	Scissors, angular, 2 points sharp, price should read.....	1 75

X 504

Illustrated Catalogue



Surgeon's Instruments
Physicians Supplies
Microscopes and Accessories
Laboratory Apparatus
Hospital and Office Furniture
Sterilizing Apparatus
Invalid's Furniture
Sick Room Utensils
Electrical and X Ray Apparatus
Orthopedic Apparatus
Elastic Hosiery and Supporters
Trusses, Crutches, Etc., Etc.

Wm. Hatteroth's Surgical House

228-230-232 Powell St.

San Francisco, California

Second Edition

of Hatteroths Surgical House

Introductory

RD7C

W64
1910
MAIN



IN presenting this catalogue to our patrons, we have eliminated from its pages all patterns of instruments that are obsolete, also those patterns that are not used in modern surgery. We have tried to list every instrument or article under its proper name and heading.

Quality

We guarantee every item listed and sold to be of the best quality, and stand ready to replace without expense to the purchaser, any article that proves defective in construction or material, after use.

Infallibility

We use every endeavor within our power to please our patrons. We are not *infallible*. Sometimes we make mistakes. If anything occurs which is not thoroughly satisfactory please tell *us promptly*. We cannot make corrections until we know of the error. It is an injustice both to yourself and to us to harbor an unsatisfactory incident and say nothing to us. We are always ready to meet any just claim.

Co-Operation

We thank our patrons for their past favors and kindly interest. We solicit not only your trade but your ideas and suggestions. It is only by our working together and by our coming into closer contact with each other that we can unitedly build up our mutual reputations and business.

Wm. Hatteroth's Surgical House

An Understanding



WHEN ordering please be explicit, not only in giving name, address and shipping directions, but in specifying the articles wanted by giving name, section letter and number. When two or more sizes are listed under one number please be careful to state the size desired.

Unless otherwise ordered all goods will be sent by express, except in cases where small articles go cheaper by mail, when the postage will be charged on the bill. Whenever requested to do so we shall be glad to accommodate by prepaying transportation charges and entering the same upon the bill.

When cash accompanies the order with the request that goods be sent by mail the amount of the postage should be sent also, otherwise goods will go by express and transportation charges follow.

Orders from parties unknown to us should be accompanied by the cash or satisfactory references.

Goods will be sent C. O. D. with privilege of examination when the order amounts to \$3.00 or more and when order is accompanied by an amount sufficient to pay express charges both ways.

All remittances should be made by draft, money order, or express order. When money is sent in any other way the amount of the exchange should be added.

All prices listed are net, except where special discounts are mentioned.

Our goods are thoroughly examined and carefully packed before leaving our establishment. They should reach their destination in perfect condition. Our responsibility ceases when goods are delivered to the carrier.

Search all packing carefully before claiming shortages. We make no charge for boxing or packing.

Wm. Hatteroth's Surgical House

Section "A"

Dissecting and Post Mortem Instruments

Diagnostic Instruments and Apparatus

Microscopes and Microscopic Accessories

Laboratory Apparatus and Glass Ware

Apparatus for Blood and Urine Analysis

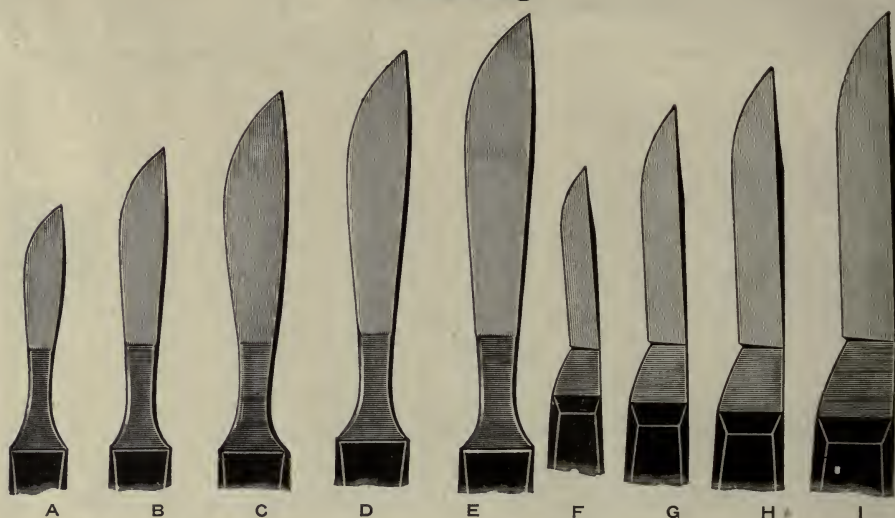
Apparatus for Phlebotomy, Cupping and Leeching

Apparatus for Infusion and Transfusion

Syringes for Aspiration and Injection

Osteological Preparations

Dissecting



A-15



A-30



A-5



A-25



A-50



A-10

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Dissecting



A-45



A-110



A-105



A-100



A-65



A-66

A-1

Dissecting Instruments

A-1	Brain Knife, Virchow's, hollow metal handle.....	\$2 00
A-5	Brain Knife, all steel, serrated handle.....	40
A-10	Cartilage Knife, American pattern, heavy hollow metal handle.....	2 00
A-15	Cartilage Knife, Virchow's, bellied, hollow metal handle.....	2 00
*A-20	Cartilage Knife, Virchow's, centre point, hollow metal handle.....	2 00
A-25	Dissecting Knife, for large dissection.....	2 25
A-30	Dissecting Scalpels, ebony handle, blades A to E.....	35
*A-35	Dissecting Scalpels, all steel, blades A to E.....	50
*A-40	Dissecting Scalpels, all steel, finest quality, blades A to I.....	75
A-45	Dissecting Knives, Littauer's, blades F, G, H, I only.....	25
A-50	Dissecting Tenaculum, ebony handle.....	35
*A-55	Dissecting Tenaculum, all steel.....	50
*A-60	Dissecting Tenaculum, all steel, finest quality.....	75
A-65	Dissecting Blow Pipe, plain.....	10
A-66	Dissecting Blow Pipe, with mouth piece.....	15
*A-70	Chisel, plain, 3 widths.....	each 60
*A-75	Chisel, Brunetti's, right.....	2 25
*A-80	Chisel, Brunetti's, left.....	2 25
*A-85	Chisel, Costotome.....	1 75
*A-86	Chisel, Haslam's, 3 widths.....	each 1 25
*A-90	Chisel, Rachitome.....	1 75
*A-93	Gouge, Haslam's, 3 widths.....	each 1 50
*A-95	Gouge, plain, 3 widths.....	each 90
A-100	Forcep, fine, broad points.....	50
A-105	Forcep, fine, narrow points.....	50
A-110	Forcep, plain, broad points.....	40

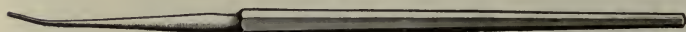
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Dissecting



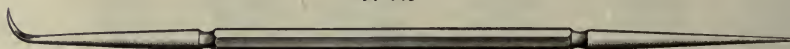
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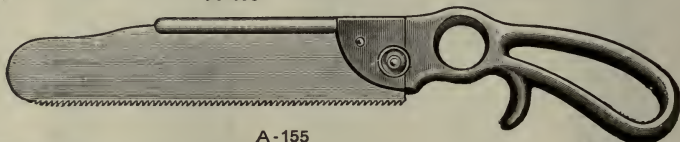
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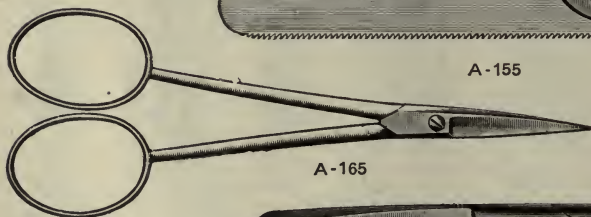
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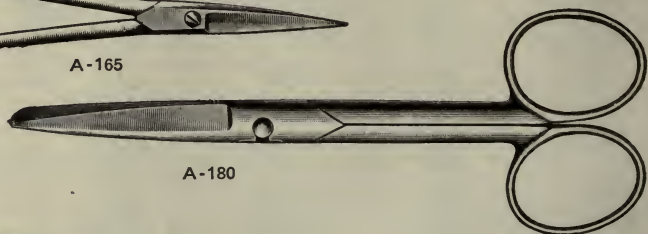
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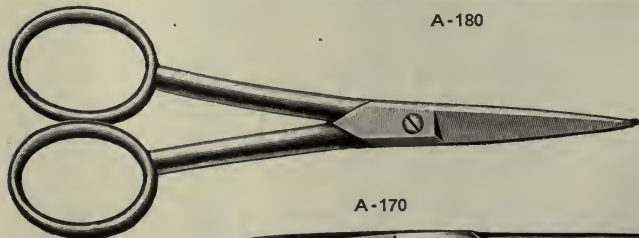
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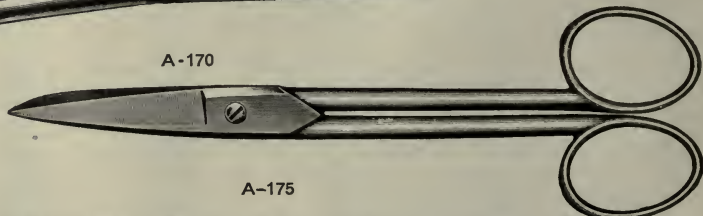
A-165



A-180



A-170



A-175

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Dissecting



A-250

Dissecting

*A-115 Hammer, steel, hooked handle	\$1 75	*A-147 Reamer, post-mortem.....	1 75
*A-120 Hammer, Virchow's	2 25	A-150 Seeker	40
*A-125 Hook, calvarian	90	A-155 Saw, Charriere's, 6-in. blade	1 75
*A-130 Hook and Chain, triple ...	25	*A-160 Saw, Charriere's, 8-in. blade	2 00
*A-135 Needles, assorted curves, doz	1 75	A-165 Scissors, light, 4½ inch....	60
A-140 Probe, University of Chicago pattern	35	A-170 Scissors, medium, 4½-inch	75
A-145 Probe, Johns Hopkins pattern	40	A-175 Scissors, heavy, 6-inch....	1 00
		A-180 Scissors, fine, 4½-inch	70
		*A-183 Scissors, curved, 4½ inch..	85

Dissecting Cases

- A-185 Vest Pocket Case. The cutting instruments in this neat and compact case are superior to those usually put in dissecting sets, being made of the best English steel and hand forged. The blades are the most approved patterns for fine work. Contents.—3 special knives or 2 special knives and 1 tenaculum, 1 forceps, 1 fine scissors, 1 set chains and hooks, in fine leather case with tilting flap for knives. Price..... \$3 75

CONTENTS OF DISSECTING CASES.

- No. 1 Dissecting Case, contains: 1 scalpel, 1 tenaculum, 1 cartilage knife, 1 forceps, 1 scissors, 1 set chain hooks, 1 blow pipe.
 No. 2. Dissecting Case, contains same as No. 1 with 1 scalpel added
 No. 3. Dissecting Case, contains same as No. 2 with 1 scalpel added.
 No. 4. Dissecting Case, contains same as No. 3 with 1 scalpel added.

		Case Polished wood.	Case Metal.	Case Leather
*A-190	No. 1. Case with ebony handle instruments.....	\$2 25	\$2 50	.....
*A-195	No. 2. Case with ebony handle instruments.....	2 50	2 75	\$2 75
*A-200	No. 3. Case with ebony handle instruments.....	2 75	3 00	.....
*A-205	No. 4. Case with ebony handle instruments.....	3 00	3 25	.....
*A-210	No. 1. Case with metal handle instruments.....	2 50	2 75	.....
*A-215	No. 2. Case with metal handle instruments.....	2 75	3 00	3 00
*A-220	No. 3. Case with metal handle instruments.....	3 00	3 25	.....
*A-225	No. 4. Case with metal handle instruments.....	3 25	3 50	.....

- A-250 20th Century Post Mortem Set. Contents.—4 best quality scalpels, 1 heavy cartilage knife, 1 reamer, 1 enterotome scissor, 1 calvarian hook, 1 bone chisel, 1 blowpipe, 1 amputating knife, 1 small cartilage knife, 1 dissecting scissor, 1 steel hammer, 1 amputating saw, 1 rachitome, 1 set chain and hooks, 3 post mortem needles and ligatures. All on a finely nickel-plated rack—no solder being used—thus rendering it capable of being thoroughly sterilized for protection of operator. The case is leather covered with nickel trimmings, having a very comfortable handle.....\$30 00

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Diagnostic



A-310



A-320



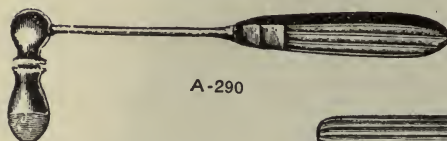
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A-275



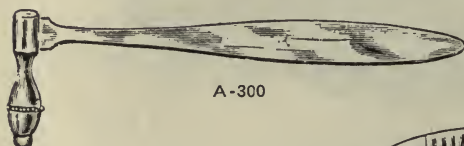
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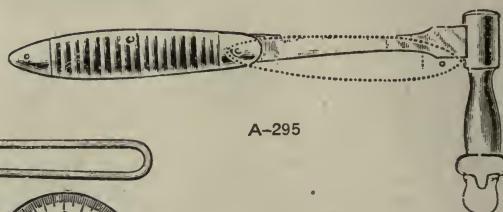
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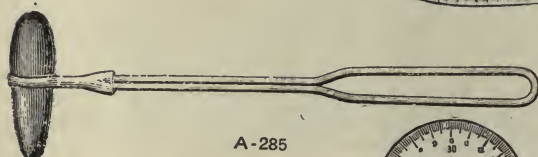
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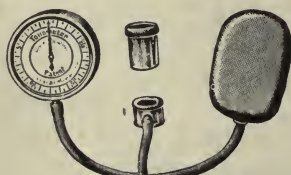
A-300



A-295



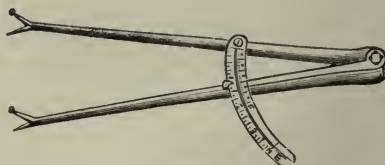
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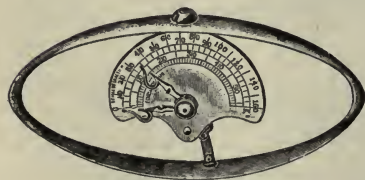
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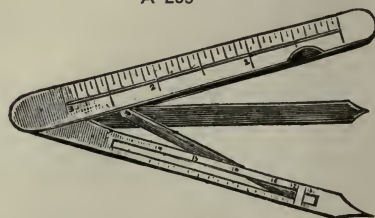
A-372



A-255



A-265

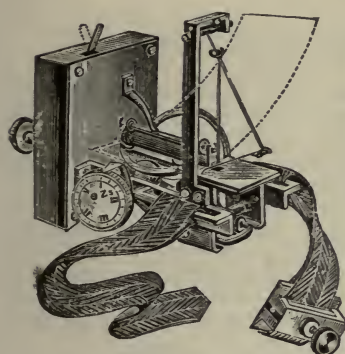


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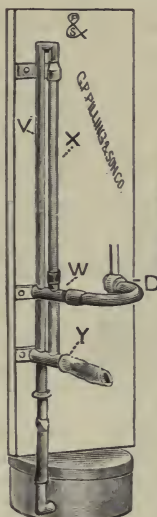
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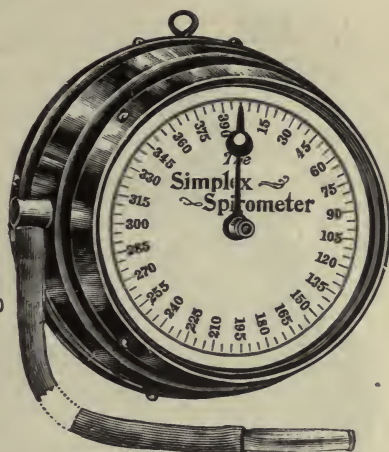
Diagnostic



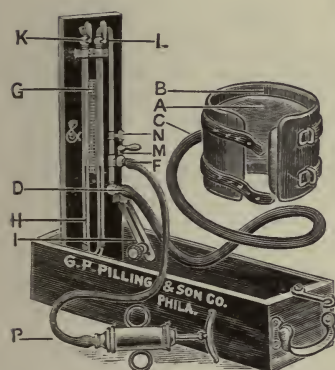
A-340



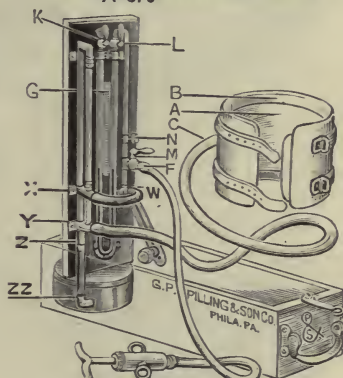
A-348



A-376



A-347

Showing Fedde Indicator to
Faught Apparatus

AETHESIOMETERS

A-255	Carroll's	\$3 00
A-260	Vance's	4 00

DYNAMOMETERS

A-265	Collin's	6 50
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FISSURE METER

*A-270	Horsley's	1 75
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PERCUSSORS

A-275	Bartlett's	75
A-280	Finger, metal	50
A-285	Flint's	75
A-287	Gibbon's	2 00
A-290	Niemayer's	1 25
A-295	Salz's, folding	2 00
A-300	Traube's	75
A-305	Taylor's	1 25

PLEXIMETERS

A-310	Hard Rubber, oval	25
A-320	Hesse's, glass	50
*A-330	Struck's, hard rubber	40
*A-335	Traube's, graduated, folding	1 60

SPHYGMOGRAPHS

A-340	Dudgeon's	\$21 00
*A-345	Richardson's	25 00

SPHYGMOMANOMETERS

A-347	Faught's, complete with pump and arm band, in polished mahogany case	24 00
A-348	Fedde's Indicator, for diastolic pressure, to be attached to Faught's Sphygmomanometer	7 50
A-355	Gaertner's, pocket	20 00
*A-365	Riva-Rocci-Cook's, portable	8 50
*A-370	Stanton's	20 00

SPHYGMOMETERS

A-372	Stein's, in case	6 00
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SPIROMETERS

*A-375	Simplex, aluminum bronze finish	4 00
A-376	Simplex, nickel plated finish	6 00

Note. Circulars giving detailed description of blood pressure apparatus will be mailed upon request.

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Diagnostic

The Perfected Tagliabue Cardiac Sphyngo-Manometer



A-377

Purpose—The Tagliabue Cardiac Sphyngo-Manometer for indicating blood pressures, not only embraces all the improvements that have been made in the construction of the various metallic or so-called aneroid-sphyngo manometers in the past thirty years, but also has several exclusive superior features.

The Cardiac is an efficient instrument for the purpose designed, and is rapidly replacing, for general use, the mercury manometer.

Use—The Cardiac is being used by examiners for the leading life insurance companies, by prominent hospitals, and by departments of health in a number of our large cities.

For general practice it is unsurpassed. It is practically indestructible, and is particularly adapted for use in the operating rooms of all practitioners.

Advantage—The Cardiac is not a delicate apparatus like the mercury manometer, which must be set up and carefully handled to take observations. The Cardiac is self-contained: it can be taken out of the pocket at a moment's notice, instantly applied, and as quickly removed.

Convenience—There is no mercury to spill, no glass to crack, and everything is contained in a small leather case that can be slipped into the pocket.

The Cardiac is always ready in any place, in any position and at any time. For accuracy, sensitiveness, portability and simplicity it stands in a class by itself.

Construction—The Cardiac consists of a gage, an arm-sleeve and an inflating bulb.

Arm-Sleeve—The arm-sleeve is made of materials which are strong, soft and durable. The rubber pressure-bag, for producing pressure on the arm, is made of the most elastic and durable rubber obtainable and, when worn, may be readily removed from the sleeve for repairs or replacement by a new one.

The sleeve which is fastened to the arm like a roller bandage, is made more secure by the strap and buckle while observations are being taken.

The Gage—The Cardiac gage is made to measure pressures from 0 to 300 millimeters of mercury.

The dial is graduated to read to centimeters and fifths of centimeters. By a simple arrangement, the dial is freely movable, so that the index needle can always be adjusted to the zero of the scale.

The instrument is in no way affected by atmospheric pressure or temperature.

Vent-Valve—Provisions are made, by a valve interposed between the inflating-bulb and the arm-sleeve, for creating a slight leak by simple pressure of the thumb.

This valve is rendered necessary, in order to observe the exact point at which the pulse returns to the wrist.

A-377 The Perfected Tagliabue Cardiac Sphyngo-Manometer, complete with sleeve and bulb, in a rich, compact leather case.....net \$25 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Diagnostic

THE PULSOGRAPH

This instrument is made in the form of an open face watch and is used exclusively **For Counting The Pulse**. It is suitable for medical men and nurses who have already a good watch.

- A-378 The Pulsograph, No. 424, Oxidized Gun Metal Case, Mens, net.....\$12 00
 A-379 The Pulsograph, No. 425, Nickel Case, Mens, net 10 00
 A-381 The Pulsograph, No. 426, Oxidized Gun Metal Case, Ladies size, net 12 00
 A-382 The Pulsograph, No. 427, Nickel Case, Ladies size, net 10 00



A-378-382

THE PULSOGRAPH WATCH. THE IDEAL WATCH FOR NURSES.

This is a combination of a watch of the **Highest Grade** and precision with the Pulsograph for counting the pulse. It is manufactured in the most accurate way and of best materials. Its time keeping qualities and mechanism are warranted in every way. Made as shown in illustration, and also with leather strap bracelet for attaching to wrist. Made in ladies' size only.

- A-383 The Pulsograph Watch, No. 414, Nickel Case, net\$16 50
 A-384 The Pulsograph Watch, No. 415, Sterling Silver Case 20 00
 A-386 The Pulsograph Watch, No. 415, Sterling Silver Case, Enameled Red Cross on Back, net... 12 00
 A-387 The Pulsograph Watch, No. 416, Gold Filled, 20 year Case, net 20 00
 A-388 The Pulsograph Watch, No. 416a, Gold Filled, 25 year Case 25 00
 A-389 The Pulsograph Watch, No. 417, Gun Metal Case, with leather wristlet, net 19 00
 A-391 The Pulsograph Watch, No. 418, Sterling Silver Case, with leather wristlet, net..... 20 00



A-383-391

THE SPHYGMOMETER. THE IDEAL WATCH FOR MEDICAL MEN.

The Sphygmometer is highly recommended by prominent physicians, and is operated the same as a chronograph. By pressing the push-button placed above the crown, the large second hand is set in motion and the counting of the pulsation begins; at the twentieth pulsation the motion of the hand is stopped by another pressure of the push-button. On the dial will now be accurately indicated the exact number of pulsations per minute. A third pressure on the push-button brings the hand back to the starting point. The use of this instrument does away with the necessity of observing the progress of the watch while taking the pulse, and in addition insures an absolutely correct record.

- A-392 The Sphygmometer, No. 420, Oxidized Gun Metal Case, net\$25 00
 A-393 The Sphygmometer, No. 421, Gold Filled 20 year Case, net 30 00
 A-394 The Sphygmometer, No. 422, Gold Filled 25 year Case, net 37 50
 A-396 The Sphygmometer, No. 423, Solid 14 Karat Gold Case, net 60 00

Every instrument guaranteed. Full directions for working accompany each instrument.

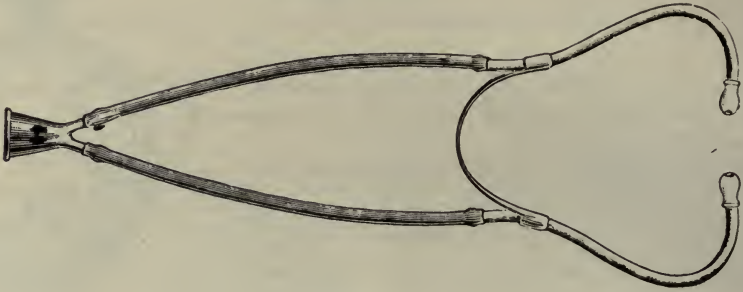


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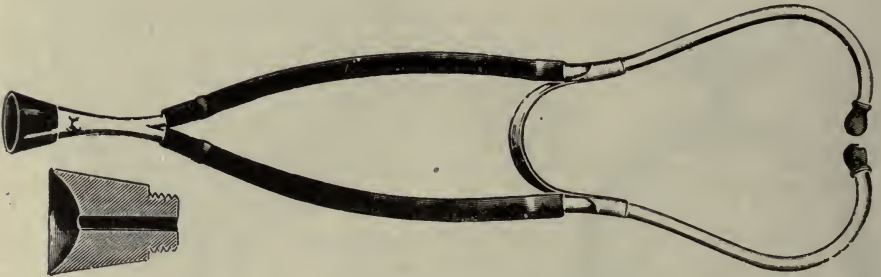
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Diagnostic



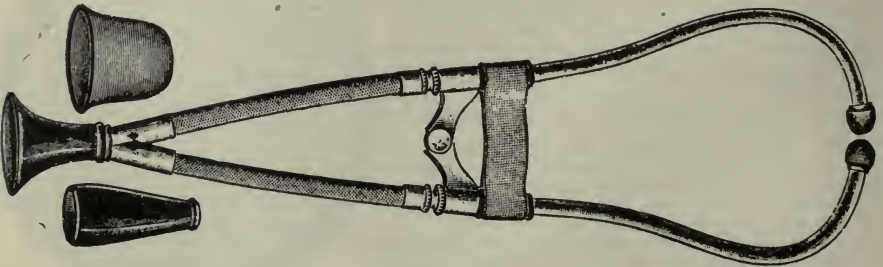
A-445



A-472



A-485



A-415

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Diagnostic



A-385



A-480



A-460



A-405

STETHOSCOPES—SINGLE

*A-380	Daland's,	1 50
A-385	Hawksley's,	1 00
*A-390	Kolber's,	1 25
*A-395	Separable,	1 50
*A-400	Telescopic,	1 50

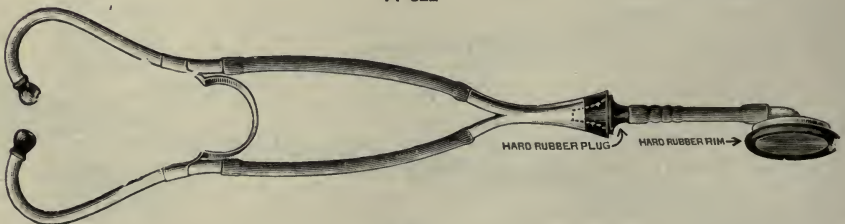
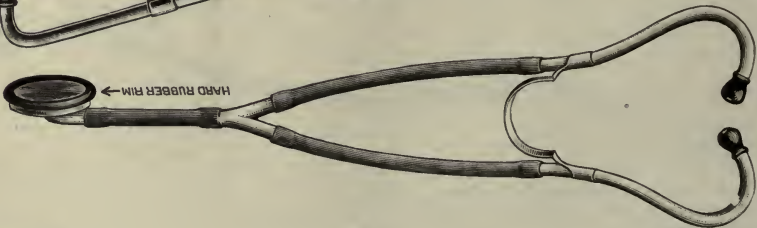
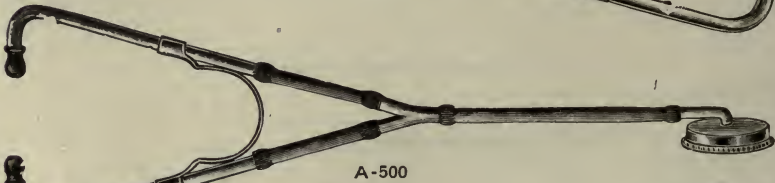
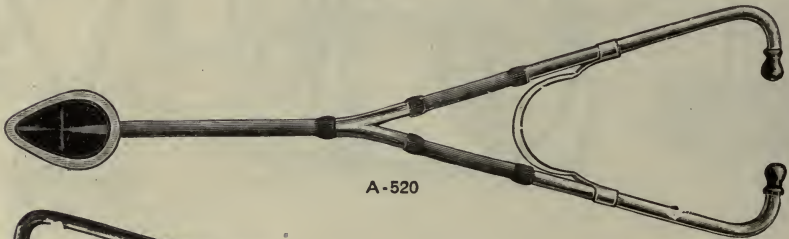
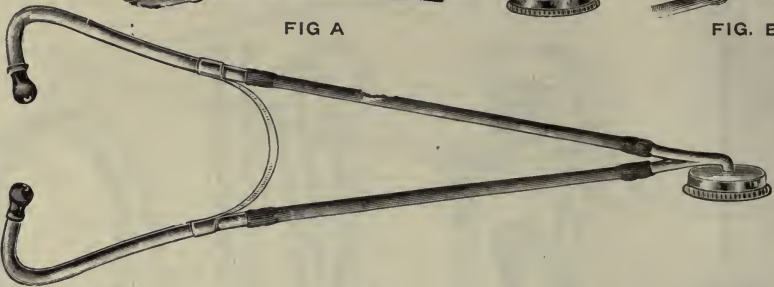
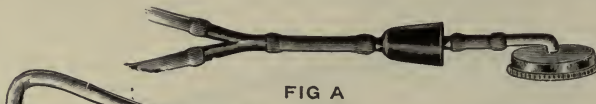
STETHOSCOPES — BINAURAL

A-405	Acme	1 25
*A-408	Albion	3 00
*A-412	Brooklyn	1 25
A-415	Camman's, with elastic spring	2 00
*A-420	Camman's, with flat metal spring	2 00
*A-425	Camman's, with spiral spring	2 00
*A-430	Camman's, folding	3 00
*A-435	Double End, pocket, hard rubber	1 25
*A-437	Ford's (Same as Post Graduate)	2 75
*A-440	Gannett's	2 25
A-445	Ideal	2 00
*A-450	Knight's	3 50
A-460	Oertel's, differential, for measuring the relative intensity of heart sounds..	9 00
A-472	Post Graduate, with extra heavy metal and non-collapsible rubber tubes ..	2 75
A-480	Sheppard's, Folding	2 50
A-485	Snofton's, improved	1 50
*A-488	Tiemann's, same as the Albion	3 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

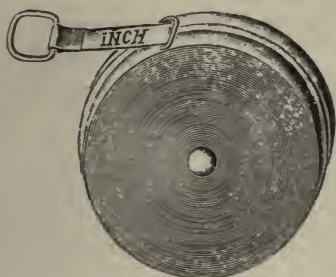
Diagnostic



QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Diagnostic



A-608-609



A-607



A-600

STETHOSCOPES

A-600	Ampliphone	net \$2 50
This instrument is the most powerful of all instruments devised for the study of internal sounds. The resonating diaphragm is very sensitive and is capable of transmitting sounds which are otherwise imperceptible. A small bell is an added part, and can be attached to the regular diaphragm where it is necessary to localize sound.		
A-500	Bowles', round diaphragm, 1½ in., 1¾ in., or 2¾ in. diameter.....	net \$4 00
A-505	Bowles', round diaphragm with extra hard rubber bell, Fig. A, any size diaphragm	net 4 50
A-520	Bowles', flat iron diaphragm, one size only	net 4 50
A-522	Bowles', non chill, No. 4, 1½ in., 1¾ in., or 2¾ in. diameter.....	net 4 00
The diaphragm of this stethoscope has a hard rubber rim to avoid chilling the patient.		
A-524	Bowles', non chill, No. 6, same as the non chill No. 4, but in addition has Albion-Ford pattern of chest piece and Bloomfield Connection.....	net 6 00
*A-525	Penhallow, made with special elastic diaphragm, 1 in., 1½ n., or 1¾ n. diameter	net 3 00
A-535	Bowles-Pilling, special, round diaphragm, 1½ in., 1¾ in., or 2¾ in. diameter	net 4 00
A-537	Bowles-Pilling, special, round diaphragm, with extra hard rubber bell, Fig. B	net 4 50
A-607	The Pulaski, round diaphragm, one of the simplest and best of the diaphragm model of stethoscope. Is compact and is complete with leather purse case, for carrying in pocket	net 2 00
A-608	Tape Measure, linen. 1 meter, 0.40; 1½ meters, 0.50; 2 meters.....	0 60
A-609	Tape Measure, steel. 1 meter, 0.80; 1½ meters, 1.00; 2 meters.....	1 25

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on those items marked net.

Diagnostic

THE E. Z. C. CLINICAL THERMOMETER.

A Clinical thermometer that every physician and nurse will appreciate.



A-612-613-614

There is probably no instrument that is used oftener by the profession than the clinical thermometer. While every physician is an adept at reading indications, it is at best an annoying and bothersome task when the old style "hard to see" clinical is used. The long desired improvement of Easy reading has been made in our E. Z. C. Thermometer.

The scale is divided into two separate and distinct sections—the sub-normal scale (below 98.6), which appears in black, and the "fever scale" (above 98.6), which appears in red. The result is that the mercury column of this Thermometer shows with a pronounced step or jog at the normal point, if the temperature reading is within the fever scale.

The "E Z-C" Clinical Thermometer has all the good points of other high-class Thermometers, coupled with extreme accuracy.

A-612	The E. Z. C. Clinical Thermometer, 2 minute.....	\$1 00
A-613	The E. Z. C. Clinical Thermometer, 1 minute.....	1 25
A-614	The E. Z. C. Clinical Thermometer, ½ minute.....	1 50

THE "TAGLIABUE" STANDARD CLINICAL THERMOMETERS.



A-610-615-620

Standard Clinical Thermometers represent the highest type of thermometer made either in this country or abroad. They are made of the best glass obtainable, by only the most skilled workmen, are fully seasoned before being graduated, are carefully retested before shipment, and are guaranteed not to increase their reading with age. They are guaranteed to be free from all imperfections, and absolutely correct as certified.

In order to avoid substitution, the word "Standard," the series No. 222, and the trade mark of the manufacturer is engraved on each. Certificates issued by the U. S. Government Bureau of Standards or the manufacturer accompany each instrument. We highly recommend the use of this thermometer to physicians who want an instrument, the accuracy of which can be thoroughly depended on.

A-610	Standard Clinical Thermometer, 2 minute.....	\$ 75
A-615	Standard Clinical Thermometer, 1 minute.....	1 00
A-620	Standard Clinical Thermometer, ½ minute.....	1 25

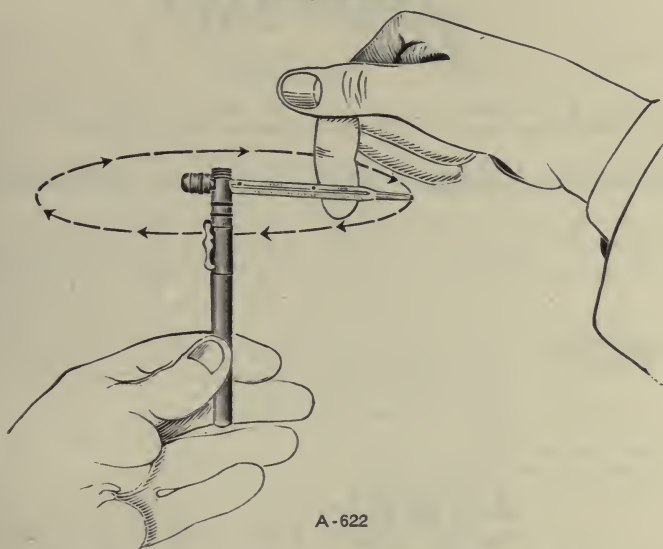
NOTE.—All E. Z. C. and Standard Clinical Thermometers are furnished with our "Zipp" thermometer case, (for description see next page). Hard rubber or other styles of cases can be furnished if desired.

*A-625	Regular Clinical Thermometer, of good quality, magnifying indestructible index, certified, registers in about 2 minutes, in hard rubber case.....	65
*A-630	Regular Clinical Thermometer, of good quality, magnifying indestructible index, registers in 1 minute, in hard rubber case.....	85
*A-635	Regular Clinical Thermometer, of good quality, magnifying indestructible index, certified, registers in ½ minute, in hard rubber case.....	1 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Diagnostic



A-622

THE "ZIPP" CLINICAL THERMOMETER CASE A-622.

The principal feature of the patented Zipp case is the centrifugal action employed for mechanically forcing the mercury into position for another reading. Centrifugal action is the principle employed by the Washington Bureau of Standard and by large manufacturers of thermometers for doing the same thing on a large scale.

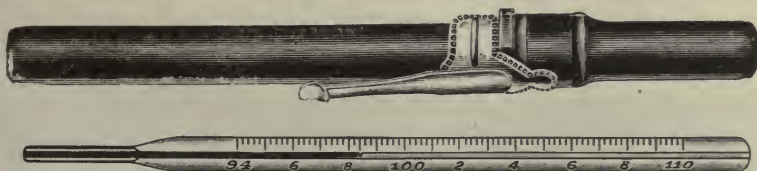
Within the metal case a spiral spring fastened to the bottom of case, and running to the top, is fastened to a revolving ferrule provided with two openings for the reception of the thermometer. If this ferrule is revolved the spring necessarily "winds up" and rapidly rotates the ferrule in the opposite direction when released, throwing the mercury in the lumen or tube of the thermometer to the periphery or bulb end of the thermometer tube instantly. An adjustable clip for securing the case to the pocket, and to prevent rolling.

The "Zipp" case is furnished only with E. Z. C. and Standard thermometers, and is not sold separately.

OTHER THERMOMETER CASES

*A-640	Thermometer Case, aluminum, with chain.....	\$ 25
*A-645	Thermometer Case, metal, gilt, with chain.....	25
*A-650	Thermometer Case, cylindrical, sterling silver, embossed.....	1 50
*A-655	Thermometer Case, conical, sterling silver, embossed.....	1 50
*A-660	Thermometer Case, cylindrical, pearl, with gold plated mounts.....	2 50
*A-665	Thermometer Case, conical, pearl, with gold plated mounts.....	2 50

THESSICO CLINICAL THERMOMETERS



A-616-617-618

The Thessico thermometers are made up in the best manner by the most experienced workmen. The glass of which they are made is seasoned so there will be no contraction of the tube, changing the reading of the thermometer after it has once been graduated. They register in one minute and are guaranteed to be perfect in every respect. The graduation scale is made in two Colors, above Normal, showing fever, in red. Normal and Sub-normal in black, so that readings are easily and quickly made. ANY READING IN RED INDICATES FEVER.

They are put up in a hard rubber THESSICO SAFETY CLASP CASE.

A-616	Thessico Clinical Thermometer, 2 minute.....	\$1 00
A-617	Thessico Clinical Thermometer, 1 minute.....	1 25
A-618	Thessico Clinical Thermometer, ½ minute.....	1 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on those items marked net.

HARVARD


Clinicals

THE STANDARD PYRETOMETERS FOR GENERAL USES.
Always guaranteed against anything but breakage.



R-F CO.
A-628. HARVARD TWO MINUTE. NO. 12.

SPECIFICATIONS.—Lenses are clear and distinct, scales are open and uniform, and none go out that will not shake down readily. A guarantee with every instrument. Physicians can safely recommend them to their nurses and patients with certainty of precise results.

			Per Doz.
*A-626		No. 10 Oval, 2 minute	\$9 00
*A-627		No. 11 Flat Back, 2 minute	9 00
*A-628		No. 12 Clear Lens, 2 minute	9 00
*A-629	"	No. 14 Clear Lens, 1½ minute	12 00
*A-631	"	No. 15 Clear Lens, 1 minute	15 00
*A-632	"	No. 16 Clear Lens, ½ minute	18 00
*A-633	"	No. 17 Clear Lens, ¼ minute	21 00

Unless otherwise specified Harvard Clinicals are supplied in Acme (patented), hard rubber or nickel cases, assorted, with and without chains.



Pyretometers




A-637. ONE AND ONE-HALF MINUTE. NO. 314.

Designed for use in contagious diseases, as typhoid, scarlet fever, and diphtheria,—for hospitals or wards devoted to Consumptive patients and for Rectal use.

Jewel Ring Top Pyretometers have glass rings blown on the distal end in several colors to indicate their special purpose.

Generally Emerald is used for Typhoid, Ruby for Scarlet Fever, Sapphire for Diphtheria, Opal for Tuberculosis, and Amber for Rectal use.

SPECIFICATIONS.—Lenses and scales are choice, comparing favorably with Harvard Clinicals, and every Pyretometer has a guarantee of accuracy.

			Per. Doz.
*A-634		No. 310 Oval 2 minute	\$9 00
*A-636		No. 312 Clear Lens, 2 minute	9 00
*A-637		No. 314 Clear Lens, 1½ minute	12 00
*A-638	"	No. 315 Clear Lens, 1 minute	15 00
*A-639	"	No. 316 Clear Lens, ½ minute	18 00
*A-641	"	No. 317 Clear Lens, ¼ minute	21 00

PYRETOMETER CASES
TWIN CASE COMBINATION



A-642

A-642 Acme (patented) Twin Case, one tube polished hard rubber, the other chased hard rubber, with nickel end caps, square rests, band collars, safety chain and pin. A convenient and safe way to carry two thermometers,—one for use in the mouth and the other in the rectum. Per doz..... \$6 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on those items marked net.

Microscopes

Spencer Microscopes

The No. 10 Microscope described on the following pages is the largest, most complete and convenient instrument offered by any firm. When a physician wants the best, No. 10 is what he ought to have, but any of the following Spencer microscopes will do nicely for the every-day clinical diagnosis. They are *larger, more convenient, more solidly built, more durable and better finished* than any other make.

In detail, Spencer microscopes are superior in that

All fine adjustments are absolutely accurate.

All fine adjustments are automatically lubricated.

All fine adjustments automatically cease to work when the objective rests firmly on the cover glass.

All fine adjustments are protected so that no harm can come to the delicate threads when the microscope is carried by the arm.

The coarse adjustments are smooth, even and sensitive.

The stages are larger and better protected than on any other instrument.

The substage parts are simple and compact.

Last and most important, the Spencer objectives have long been known for their superior qualities. They have been greatly improved and are now better than ever, and superior to any other.

Spencers Microscopes

Are Guaranteed Both Optically and Mechanically

They are regularly put up and sold with certain combinations of lenses, but any combination may be selected.

The "A" outfit is composed of stand in case with one eye piece (8x) and 16 mm and 4 mm achromatic objectives.

The "B" outfit is like "A" but with the addition of a double nose piece.

The "C" outfit is like "A" but with two oculars (4x and 8x) instead of one

The "D" outfit is like "B" but with two oculars (4x and 8x) instead of one.

The "E" outfit is like "B" but with the addition of a sub-stage (Abbe) condenser.

The "F" outfit is like "E" but with two oculars (4x and 8x) instead of one.

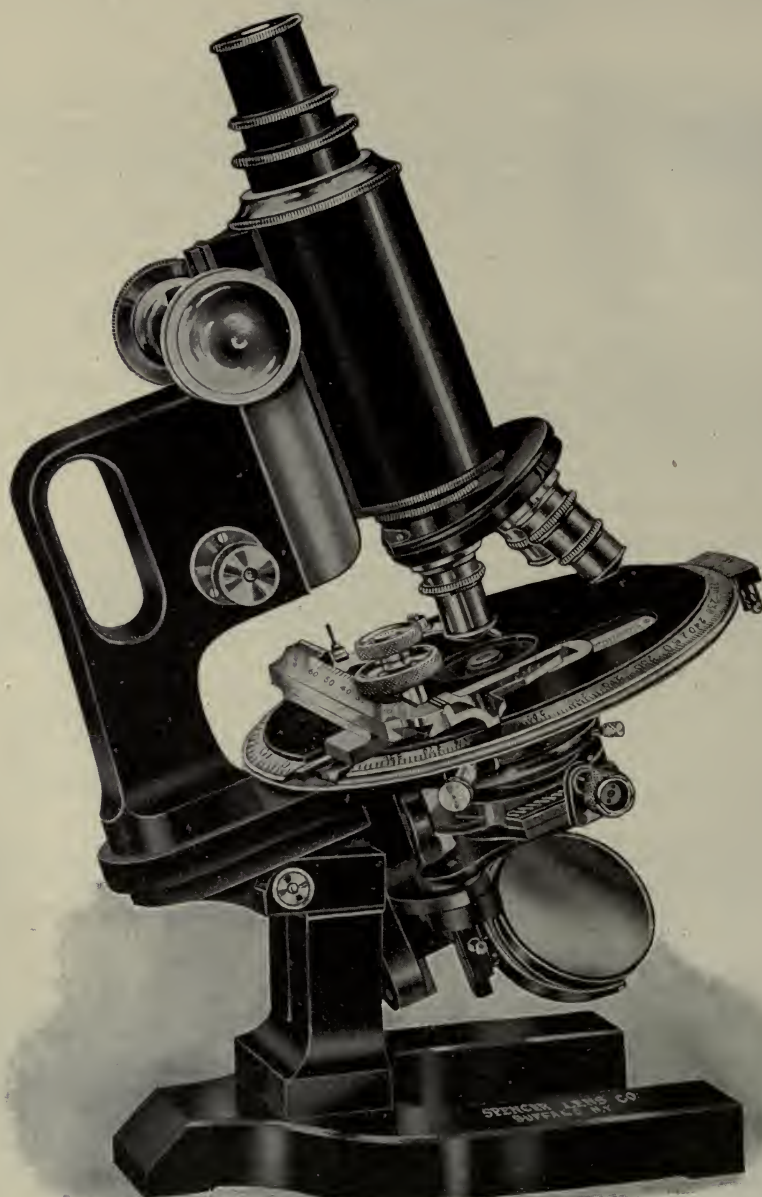
The "H" outfit is like "F" but with the addition of a 1.8 mm oil immersion objective and the substitution of the triple nose piece for the double.

Prices include cabinet.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

PRICES ON MICROSCOPES ARE STRICTLY NET.

Microscopes



Spencer Microscope No. 10

QUALITY GUARANTEED.—Specify section letter and number in ordering.
PRICES ON MICROSCOPES ARE STRICTLY NET.

Microscopes

Spencer Lens Company's New No. 10 Microscope

This microscope embodies the design, workmanship and skill which together mark its superiority for the highest class of work;—especially for photomicrography. In strength of construction, convenience of parts, beauty of finish and general practical usability there is nothing to equal it.

The large body tube (50mm in diam.) is so arranged that the large photo-micrographic objectives and compensating oculars with the large field glasses may be used with it.

The large arm with handle opening is equipped with our own special side fine adjustment, which has proven so successful. One complete revolution of the fine adjustment head represents a movement of the tube of .2mm.

The distance from the optical axis to the arm is 80mm.

The vulcanite covered stage is 150mm in diameter. The beveled edge is graduated to degrees and the vernier reads to 3 minutes. The revolving stage can be clamped in any angle of azimuth, and centered by means of centering screws.

When the revolving stage is centered nothing but the two vernier readings on the mechanical stage proper are necessary to locate an object, thus doing away with the necessity of taking and keeping a record of more vernier readings.

The mechanical stage is so arranged that it may be easily removed from the revolving stage, thus leaving a large, clear stage for dishes, brain sections, etc., thereby doing away entirely with the necessity and inconvenience of an extra stage. The buttons operating the rack and pinion movements of the mechanical stage are on **concentric axes**, one above another;—the most convenient position possible. The mechanical stage has a lateral excursion of 60mm and a to-and-fro excursion of 50mm, thus permitting the use of slides 2 in. x 3 in.

The complete substage is substantially and compactly built, is raised and lowered by a rack and pinion and is regularly equipped with our **achromatic condenser**. The condenser may be accurately centered by means of centering screws and is provided with an iris diaphragm between the lenses. There is also an iris diaphragm beneath the condenser on an automatic swinging arm. This diaphragm may be decentered by a rack and pinion to obtain oblique light and may be revolved to obtain this oblique light from any direction.

The mirror is mounted on an independently swinging bar.

The pillar and base are large and substantial.

Spencer Catalogue Number	Nose Piece	Objectives Equiv. Foc. mm.	Achromatic Outfits		Apochromatic Outfits	
			Huyghenian Oculars	Price, Net.	Compens Oculars.	Price, Net.
10A	.....	16, 4	8X	\$166.00	6X, 9X	\$212.00
10B	Double	16, 4	8X	170.00	6X, 9X	216.00
10C	.....	16, 4	4X, 8X	167.50	6X, 9X, 12X	220.00
10D	Double	16, 4	4X, 8X	171.50	6X, 9X, 12X	224.00
10H	Triple	16, 4 2 Oil imm.	4X, 8X	200.00	6X, 9X, 12X	300.00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

PRICES ON MICROSCOPES ARE STRICTLY NET.

Microscopes



Spencer Microscope No. 20

The stage on this microscope is exceptionally large, there being a free distance of 68 mm. ($2\frac{3}{4}$ inches) from the optical axis to the base of the arm.

PRICES.

No. 20 A, \$64.00; No. 20 B, \$68.00; No. 20 C, \$65.50; No. 20 D, \$69.50; No. 20 H, \$95.00.
 Note. All prices on No. 20 include condenser and iris diaphragm.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

PRICES ON MICROSCOPES ARE STRICTLY NET.

Microscopes



Spencer Microscope No. 36

The stage of this microscope is the same size as that on our No. 20. Both are 95mm. broad and the extra wide stage (112 mm.) may be had on either stand without extra cost when especially ordered.

PRICES.

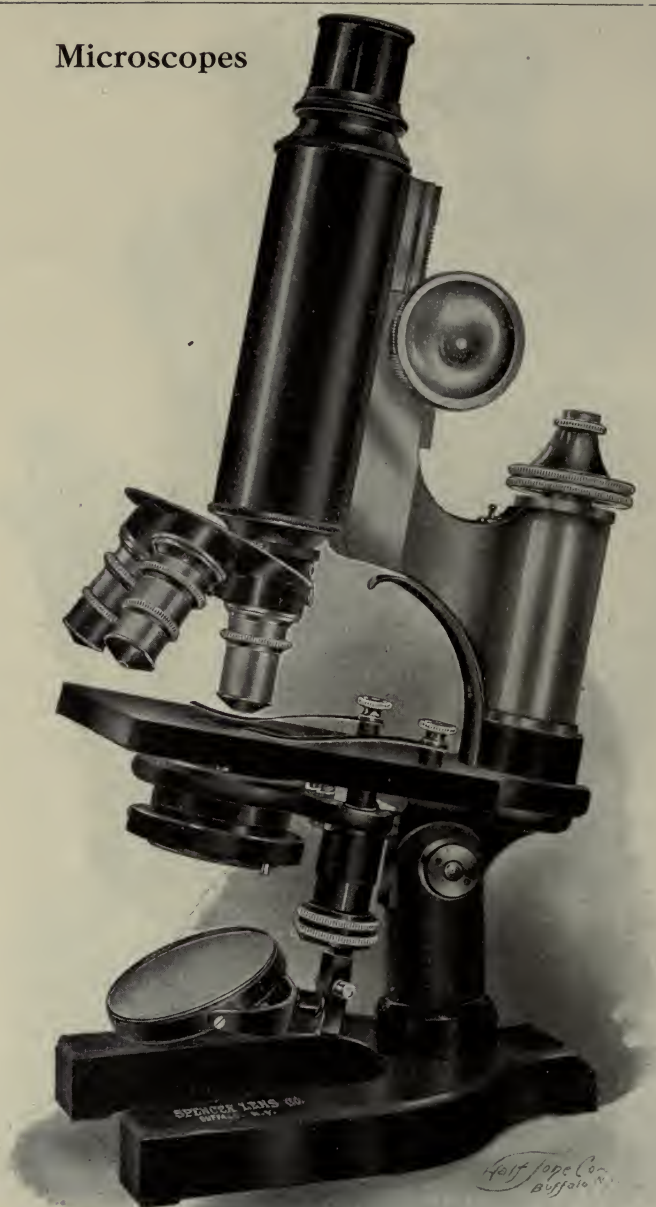
No. 36 A, \$41.50; No. 36 B, \$45.50; No. 36 C, \$43.00; No. 36 D, \$47.00; No. 36 E, \$53.00; No. 36 F, \$54.50; No. 36 H, \$80.00.

For drop-swing condenser mounting similar to that on No. 20 add \$5.00 to above prices.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

PRICES ON MICROSCOPES ARE STRICTLY NET.

Microscopes



Spencer Microscope No. 40

This microscope is the same size as No's 20 and 36. The drop-swing condenser mounting like that on No. 20 can be added to this instrument (also on No's. 46 and 66) for \$5.00 extra.

PRICES.

No. 40 A, \$41.50; No. 40 B, \$45.50; No. 40 C, \$43.00; No. 40 D, \$47.00; No. 40 E, \$53.00; No. 40 F, \$54.50; No. 40 H, \$80.00.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
PRICES ON MICROSCOPES ARE STRICTLY NET.

Microscopes



New Spencer Microscope No. 45
Latest Model with Extra Large Stage.
PRICES.

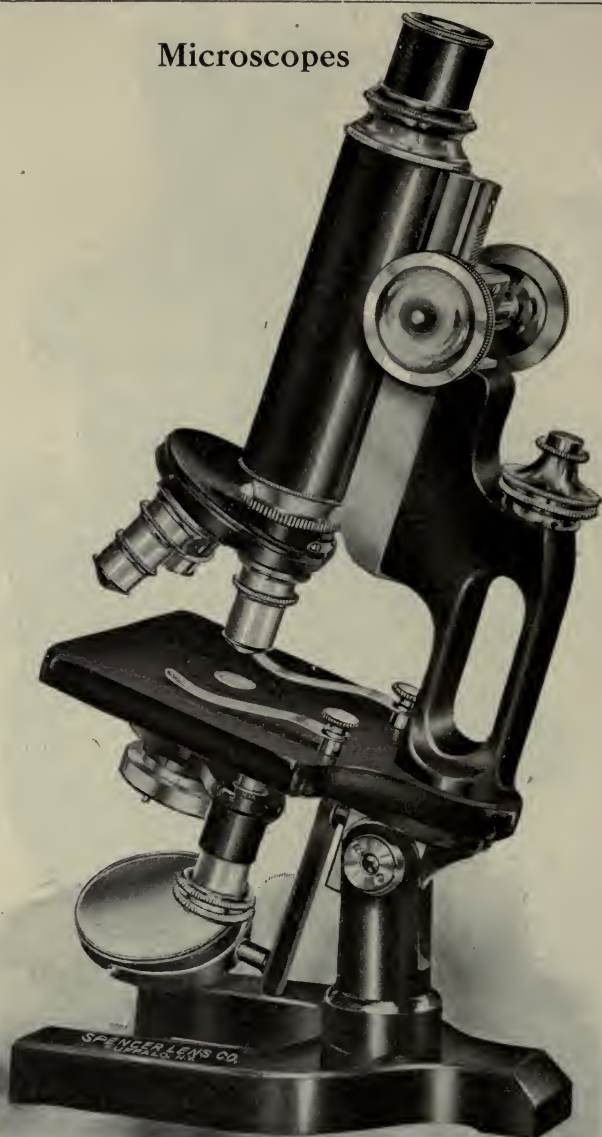
No. 45 A, \$36.50; No. 45 B, \$40.50; No. 45 C, \$38.00; No. 45 D, \$42.00; No. 45 E, \$48.00;
No. 45 F, \$49.50; No. 45 H, \$75.00.

The drop-swing condenser mounting can be added for \$5.00 additional.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

PRICES ON MICROSCOPES ARE STRICTLY NET.

Microscopes



Spencer Microscope No. 66 with quick Screw Substage

This microscope is the same size as No. 46. Both No. 66 and No. 46 can be supplied with the extra wide stage—(112 mm.) without extra cost when so ordered.

PRICES.

No. 66 A, \$32.50; No. 66 B, \$36.50; No. 66 C, \$34.00; No. 66 D, \$38.00; No. 66 E, \$44.00; No. 66 F, \$45.50; No. 66 H, \$70.00
When ordering No. 66, at above prices be sure to mention the quick screw substage.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

PRICES ON MICROSCOPES ARE STRICTLY NET.

Microscopic

Objectives and Eye Pieces



A-815-835



A-770



A-790



A-805



A-840-845

Achromatic Objectives

Catalogue No.	M. M.	Inches, Approx.	Numerical Aperture	Fixed Mount (Prices net)	Adjust. Mount (Prices net)
A 770	16	$\frac{2}{3}$	0.30	5.00	
*A 775	12	$\frac{1}{2}$	0.40	8.00	
*A 780	8	$\frac{1}{3}$	0.50	8.00	
*A 785	5	$\frac{1}{5}$	0.70	8.00	
A 790	4	$\frac{1}{6}$	0.66	8.00	
*A 795	3.5	$\frac{7}{8}$	0.85	8.00	18.00
*A 800	3	$\frac{1}{8}$	0.85	8.00	18.00
A 805	2	$\frac{1}{1\frac{1}{2}}$	1.30	27.00	
*A 810	oil im. 1.5 oil im.	$\frac{1}{16}$	1.30	40.00	

Huyghenian Eye Pieces

Catalogue No.	Power	Equivalent Focus	Price, Net
A 815	3x	50 mm.—2 in.	\$1.50
A 820	4x	40 mm.— $1\frac{3}{8}$ in.	1.50
A 825	6x	30 mm.— $1\frac{1}{2}$ in.	1.50
A 830	8x	25 mm.—1 in.	1.50
A 835	9x	20 mm.— $\frac{4}{5}$ in.	1.50

A-840—845. MICROMETER EYE PIECE

This eye piece has a fixed scale. The ruled glass disc is fixed in place and the eye lens is mounted in an adjustable sleeve which permits an exact focusing upon the scale.

A-840 Micrometer Eye Piece, 4x.....net \$5 00
 A-845 Micrometer Eye Piece, 8x.....net 5 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices on Microscopic Objectives and Eye Pieces Strictly Net.

Microscopic

Nose Pieces—Mechanical Stages



A-850

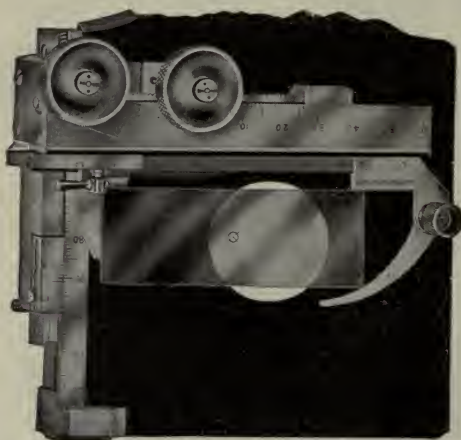


A-855

Revolving Nose Pieces

We take the greatest care that they be perfectly centered and we make the revolving portion so strong that the objectives cannot be sprung out of center. This part is thick and heavy; being thickest around the axis. This not only secures strength but a smoother and more lasting movement. The cover is a continuous circle so that no dust can settle into the lenses no matter what their position may be; they are finished in a heavy black plating.

A-850 Double Nose Piece.....	\$4 50
A-855 Triple Nose Piece.....	6 00



A-860 MECHANICAL STAGE. NO. 490

This stage may be instantly and firmly attached by means of its clamps to any rectangular microscope stage, and may as quickly be removed. The movements are by diagonal rack and pinion, are entirely firm and reliable, permitting the most delicate adjustments. The slide rests upon the surface of the microscopic stage and is held in place at one end by a spring clip, and at the other by an adjustable stop, permitting the use of slides of varying sizes.

On account of this adjustability this is the only mechanical stage which can be used to greatest advantage on our new models of microscopes, with the great distance from the optical axis to the base of the arm. When so used it has a forward and backward excursion movement of 38 mm. and a lateral excursion of 60 mm. greater than that of any stage.

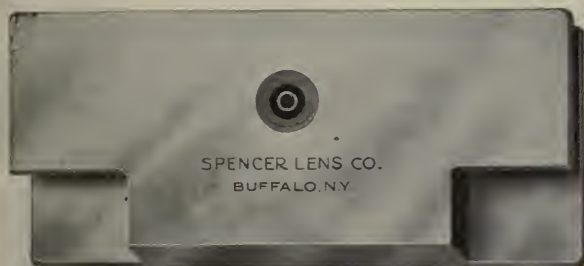
Stage No. 490 (see cut) is provided with an extension by which advantage may be taken of the whole of the exceptionally deep stages of No.'s 20—36, and 40. Stage No. 485 is similar to our No. 490 except for this extension.

A-860 Mechanical Stage No. 490, in case.....	net \$18 00
*A-865 Mechanical Stage No. 485.....	net 16 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices on Nose Pieces and Mechanical Stages Strictly Net.

Microscopic Accessories



A-866

A-866. DARK FIELD ILLUMINATOR NO. 340

The construction of this illuminator is such that it can be used on any microscope. The condenser is mounted in a solid piece of brass with slots at the end for the stage clips of the microscope. The illuminator being held in this way permits the use of ordinary slides on the top surface.

Price, Net \$10.00

A-867. INCANDESCENT ELECTRIC AND GAS LAMPS

This lamp is especially useful for general microscopic work and also does good work when used with vertical illuminator No. 350 and dark field illuminator No. 340.

- A-867 Incandescent Electric Lamp No. 375, complete with one blue glass and one ground glass with bulb for 110 volt current.....net \$12 00
- *A-868 Extra bulbs for 110 volt current No. 377net 1 00
- *A-869 Extra bulbs for 220 volt current No. 378net 1 50
- *A-871 Incandescent Gas Lamp No. 385, like No. 375, but with inverted mantle substituted for the electric bulbnet 10 00



A-867

A-872. NEW ELECTRIC ARC LAMP

This lamp is designed especially for the dark field illuminator No. 340 and the vertical illuminator No. 350. It serves most excellently as a lamp for general microscopic illumination.

It is only necessary to connect it to any incandescent bulb socket, but the kind of current must be taken into consideration and the proper resistance provided.

- A-872 Lamp No. 360 with five-foot connecting cord, blue glass and ground glass, net \$15 00
- *A-873 Fixed Rheostat No. 365 for 110 volts 5 amperesnet 6 00
- *A-874 Fixed Rheostat No. 370 for 220 volts — 5 amperesnet 10 00
- *A-876 Extra Carbons No. 372, eachnet 05

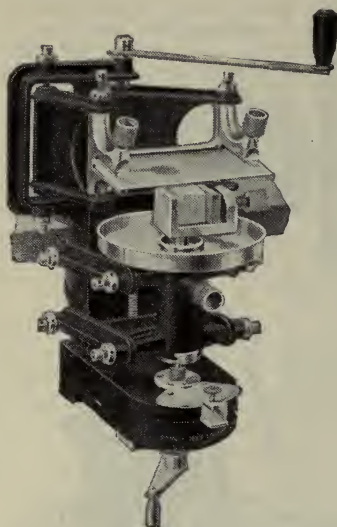


A-872

QUALITY GUARANTEED.—Specify section letter and number in ordering.
PRICES ON MICROSCOPIC ACCESSORIES STRICTLY NET.

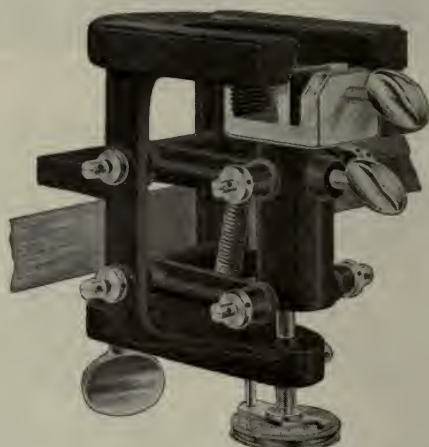
Microscopic

MICROTOMES AND FREEZING ATTACHMENTS



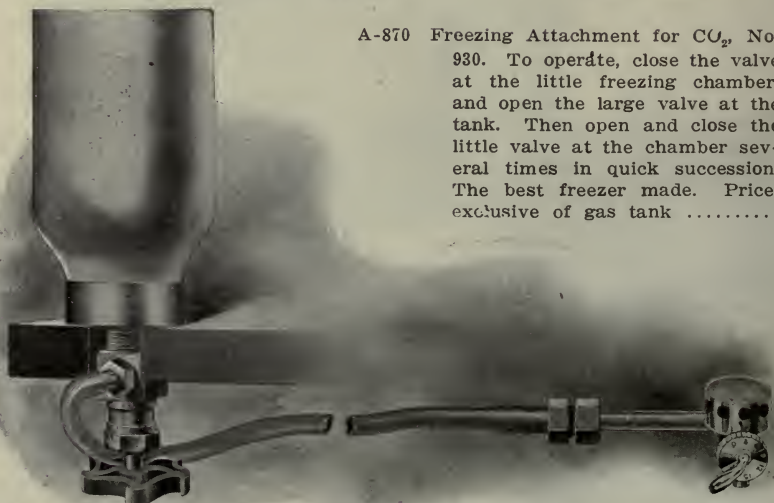
A-880

A-875 Spencer's Microtome No. 900. This microtome is used for hand sectioning and may be firmly attached by a screw clamp to the laboratory table or other support. Price.....\$12 50



A-875

A-870 Freezing Attachment for CO_2 , No. 930. To operate, close the valve at the little freezing chamber, and open the large valve at the tank. Then open and close the little valve at the chamber several times in quick succession. The best freezer made. Price, exclusive of gas tank\$10 00



A-870

QUALITY GUARANTEED.—Specify section letter and number in ordering.
PRICES ON MICROSCOPIC ACCESSORIES ARE STRICTLY NET.

Microscopic

Freezing Attachments and Section Knives



A-882. SPENCER'S ETHER FREEZER NO. 915.

This little apparatus is not as good as our CO₂ freezer, but is the best of its kind. Ether is often available when CO₂ is not.

Pricenet \$6 00

A-882

A-884 SPENCER'S MICROTOME KNIFE
No. 965

This chisel blade form knife is very convenient for use on the table microtome, and is preferred by many, especially where a freezing chamber is used.

It has a cutting edge of 88 mm. The handle is of such size and shape that the knife can be easily held in the desired position.

A-884 Spencer's Microtome Knife No. 965.....net \$4 00



A-884

A-876. HAND SECTION
KNIFE

This knife is made with straight steel blade, flat on one side, with solid ebony handle, of the very best quality of steel and finish. Made in three sizes. Put up in leather covered, velvet lined case.

A-876 Hand Section Knife, blade length 140 mm.....\$4 00

A-877 Hand Section Knife, blade length 100 mm..... 2 50

A-878 Hand Section Knife, blade length 75 mm..... 2 00



A-876-877-878

A-879. SECTION RAZOR

These razors are made of the best quality of steel, and especially designed for section cutting. They have heavy backs which makes them less liable to yield under manipulation.

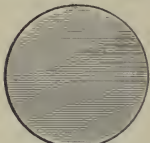
A-879 Section Razor, folding, hard rubber handle\$1 50



A-879

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.



A-905-910



A-895-900

Microscopic

Cover Glasses and Slides

BEST WHITE GLASS. UNIFORM IN THICKNESS.

Catalogue No.	Shape	Thickness	Dimensions	Price Net per oz.
A 895	Squares	No. 1—0.13 to 0.17 mm.	15, 18, 22 or 25 mm.	\$1.05
A 900	Squares	No. 2—0.17 to 0.25 mm.	15, 18, 22 or 25 mm.	.85
A 905	Circles	No. 1—0.13 to 0.17 mm.	15, 18, 22 or 25 mm.	1.25
A 910	Circles	No. 2—0.17 to 0.25 mm.	15, 18, 22 or 25 mm.	1.00

RECTANGULAR COVER GLASSES.

- *A-915 Rectangular Cover Glasses, No. 1. All sizes, per oz.....net \$1 25 to \$1 50
 *A-955 Rectangular Cover Glasses, No. 2. All sizes, per oz.....net 1 00 to 1 25

SLIDES—BEST WHITE GLASS

- *A-995 Slides, 75x25 mm. (3x1 inches) medium thickness, per gross.....net \$1 00
 *A-1000 Slides, 75x25 mm. (3x1 inches) extra thin, per gross.....net 1 10
 *A-1005 Slides, 44x25 mm. (1½x1 inches) medium thickness, per gross.....net 1 25
 *A-1010 Slides, 50x20 mm. (2x1 inches) medium thickness, per gross.....net 1 50
 *A-1015 Slides, 75x38 mm. (3x1½ inches) medium thickness, per gross.....net 2 00
 *A-1020 Slides, 75x50 mm. (3x2 inches) medium thickness, per gross.....net 3 00
 *A-1025 Slides, 75x25 mm. (3x1 inches) concave centers, per dozen.....net 60
 *A-1030 Slides, 75x25 mm. (3x1 inches) Drop culture. Cavity 16 mm. diameter and 2 mm. deep, each.....net 30

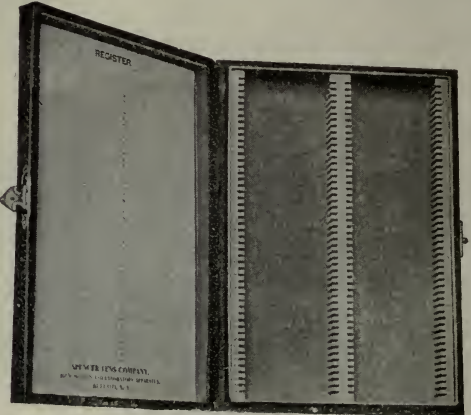
SLIDE BOXES



A-1055

- *A-1035 Minot's New Metal Cabinet, with 30 metal trays, each holding 224 glass slides 75x25 mm.net \$20 00
 A-1040 Slide Boxes, grooved to hold 100 objects, covered with a heavy dark brown cloth, hinged cover and catch, each.....net 50
 *A-1045 Slide Boxes, same as No. A-1040 but grooved to hold but 30 objects. These boxes are especially desirable where it is necessary to keep objects which are constantly used, in a secure and handy receptaclenet 35

- *A-1050 Slide Boxes, made of white wood with cover so arranged that when removed the ends of the slides are exposed so that they can be easily removed. Grooved to hold 25 objects, numbered and indexed, per 10net 1 25
 A-1055 Slide boxes, made of white wood with closely fitting covers. Grooved to hold 25 objects, numbered and indexed, per 10.....net 75
 *A-1060 Slide Boxes, same as A-1055, but grooved to hold 12 objects, numbered and indexed, per 10.....net 55
 *A-1065 Slide Trays, map form, to hold 14 slides, each.....net 25
 *A-1070 Slide Trays, map form, to hold 14 slides, each.....net 30
 *A-1075 Slide Mailing Cases, tops, middles or bottoms, per dozennet 10



A-1040

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Microscopic Staining Solutions

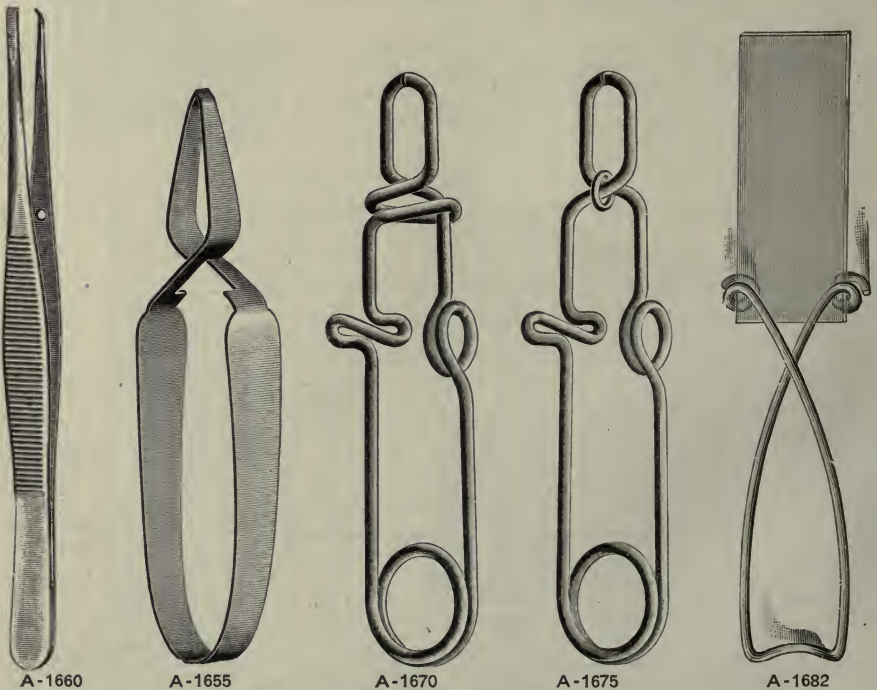
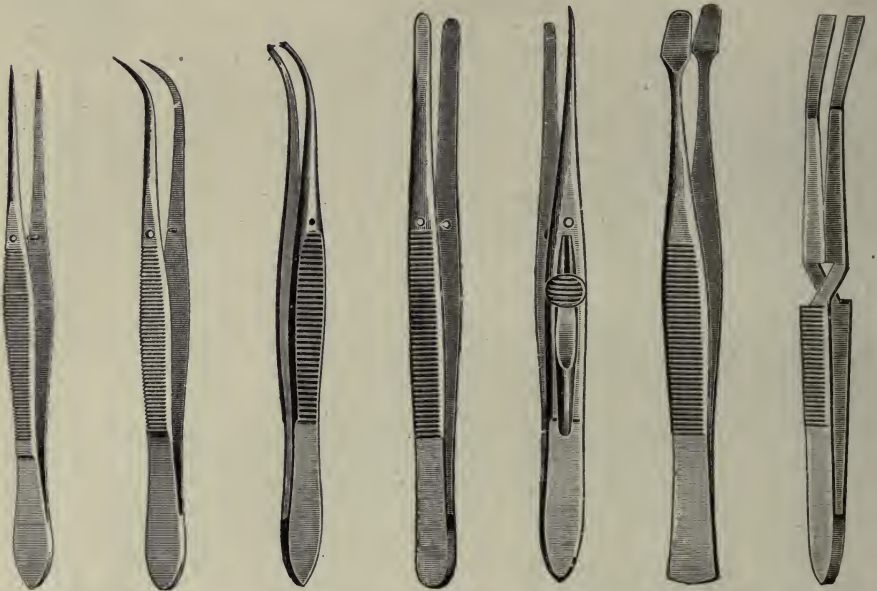
Solutious		30 c.c.	100 c.c.
A-1090	Alum Carmine, concentrated (Grenacher's).....	\$.20	\$.50
A-1095	Alum Gentian Violet (Unna).....	.25	.65
A-1100	Ammonia Carmine (Gerlach's).....	.15	.30
A-1110	Aniline water—gentian Violet (Gram).....	.20	.45
A-1115	Blondi-Ehrlich-Heidenhain's 3-color mixture.....	.40	.80
A-1120	Bismarck Brown.....	.15	.35
A-1125	Borax Carmine (Grenacher's), alc.....	.20	.50
A-1140	Carbol-Fuchsin (Ziehl's).....	.20	.45
A-1145	Carbol Gentian Violet (Czaplewski).....	.20	.45
A-1150	Carbol Methylenblue (Czaplewski).....	.20	.45
A-1155	Carbol Thionin (Fuicher & Lazear).....	.25	.65
A-1160	Carm-alum (P. Mayer).....	.15	.35
A-1165	Chenzinski's Stain.....	.20	.40
A-1195	Eosin, 80% alcohol blood stain.....	.25	.65
A-1210	Ehrlich's Neutrophile Stain, for blood.....	.35	.95
A-1215	Ehrlich's Triple Mixture, for eosinophilous cells.....	.45	1.25
A-1225	Ehrlich-Blondi-Heidenhain, sol.....	.40	.80
A-1230	Ehrlich's Triacid (Aronson-Philipp).....	.35	.80
A-1235	Eosin, Haematoxylin (Ehrlich's).....	.25	.70
A-1250	Fuchsin.....	.15	.35
A-1255	Fuchsin, Acid.....	.20	.45
A-1265	Gabbet's Bacillus Stain, sol. I., Carbol Fuchsin (same as 1140).....	.20	.45
A-1270	Gabbet's Bacillus Stain, sol. II., Sulph. Methylenblue (same as 1375).....	.20	.45
A-1275	Goldhorn's Polychrome Methylenblue.....	.30	.80
A-1280	Gentian Violet, a good general stain for bacteria.....	.20	.45
A-1290	Hastings Stain for Blood.....	.50	1.00
A-1310	Haematoxylin (Delafield's).....	.25	.60
A-1330	Jenner's Stain.....	.25	.65
A-1335	Jenner's Stain, Wright's Modification.....	.25	.65
A-1345	Kernschwartztinction.....	.35	1.00
A-1350	Loeffler's Alkaline Blue, for diphtheria bacilli, etc. (same as 1380).....	.35	.45
A-1360	Magnesia Carmine (P. Mayer).....	.25	.60
A-1365	Methyl Green.....	.20	.45
A-1370	Methyl Violet.....	.20	.45
A-1375	Methylenblue, Gabbet's, sulph. acid.....	.20	.45
A-1380	Methylenblue, Loeffler's Alkaline.....	.20	.45
A-1400	Picro Carmine (Weigert's).....	.20	.50
A-1410	Picric Acid Fuchsin (Van Geison).....	.20	.50
A-1450	Toisson's Solution, for blood.....	.25	.60
A-1465	Van Gieson's Solution.....	.20	.50

Mounting and Finishing Materials and Cements		30 c. c. or 30 grams	100 c. c. or 100 grams
A-1475	Asphaltum, quick-drying.....	.35	
A-1485	Balsam, Canada, in 20 cc. collapsible tubes, each, \$.20.....		.75
A-1490	Balsam, Canada, dissolved in Benzole.....	.40	.75
A-1495	Balsam, Canada, dissolved in Chloroform.....	.40	.75
A-1500	Balsam, Canada, dissolved in Xylol.....	.40	
A-1505	Balsam, Canada, dissolved in Xylol, in 20 cc. tubes, each, \$.20.....		
A-1530	Deane's Medium.....	.35	
A-1540	Gold Size.....	.25	.60
A-1555	King's Amber Cement, 15 cc., net, \$.25.....		
A-1560	King's White Cement, 15 cc., net, \$.25.....		
A-1565	King's Lacquer, Cell and Finish, blue, net.....	.50	
A-1570	King's Lacquer, Cell and Finish, scarlet, net.....	.50	
A-1585	Mayer's Albumen Fixative.....	.40	

Embedding Substances, Culture Media, Etc.		30 grams	500 grams
A-1590	Agar-Agar, best quality, in shreds.....		\$1.00
A-1595	Beef Extract (Liebig's), in ¼ lb. cans, per can, \$1.25.....		
A-1600	Celloidin (Schering's), in shreds.....	\$1.75	
A-1605	Gelatin, best white, gold label.....		.80
A-1610	Paraffin, hard, 52°-57° C., in 500 gr. cakes.....		.25
A-1615	Paraffin, soft, 37°-43° C., in 500 gr. cakes.....		.25
A-1620	Peptonum Siccum (Witte's), in 100 gram bottles, per bottle, net, \$.90.....		
A-1625	Pith, for sectioning, per package.....		.10

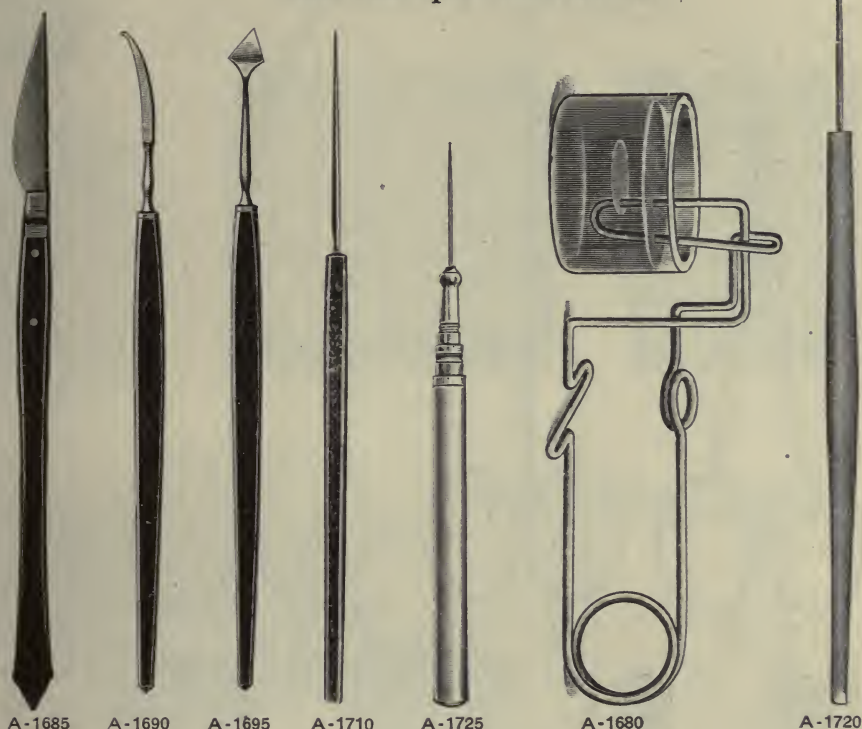
QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices on Stains, Mounting Materials and Culture Media Strictly Net.

Microscopic Instruments



QUALITY GUARANTEED.—Specify section letter and number in ordering.
 A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Microscopic Instruments



Microscopic Instruments

A-1630	Forceps, straight, fine, serrated points, $4\frac{1}{2}$ inch.....	\$0 40
A-1635	Forceps, curved, fine, serrated points, $4\frac{1}{4}$ inch.....	40
A-1636	Forceps, curved, fine, mouse tooth points, $4\frac{1}{4}$ inch.....	75
A-1640	Forceps, cover glass, straight, thin blades, 4 inch.....	50
A-1645	Forceps, cover glass, bent, thin blades, 4 inch.....	50
A-1650	Forceps, cover glass, bent, cross action, thin blades, 4 inch.....	75
A-1655	Forceps, cover glass, Cornet's.....	45
A-1660	Forceps, cover glass, Novy's, plain, $4\frac{1}{2}$ inch.....	50
A-1665	Forceps, cover glass, Novy's, slide catch, $4\frac{1}{2}$ inch.....	1 00
A-1670	Forceps, cover glass, Stewart's, wire.....	15
A-1675	Forceps, cover glass, plain, wire.....	15
A-1680	Forceps, cover glass, Kalteyer's	25
A-1682	Forceps, slide, Kirkbride's, for staining.....	15
A-1685	Knife, Scalpel, triangular shape.....	35
A-1690	Knife, curved, probe pointed.....	35
A-1695	Knife, triangular shape	35
*A-1700	Needle, spear point, double cutting edge.....	40
*A-1705	Needle, spear point, single cutting edge.....	40
A-1710	Needle, straight, fine.....	35
*A-1715	Needle, curved, fine	35
A-1720	Needle, straight, plain	05
A-1725	Needle, bone handle, clamping.....	10

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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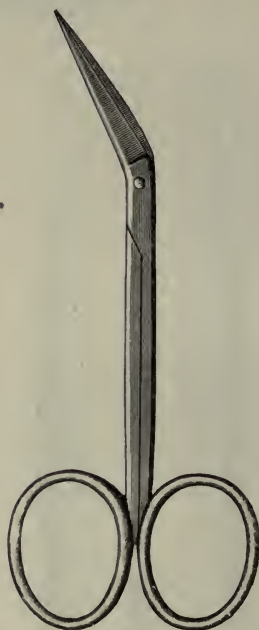
Microscopic Instruments



A-1770



A-1755



A-1760



A-1735



A-1745



A-1740



A-1750



A-1752



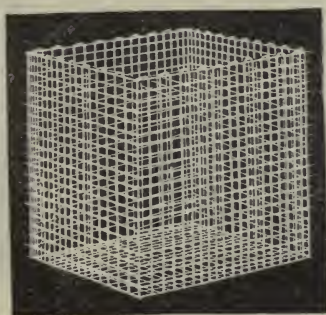
A-1730

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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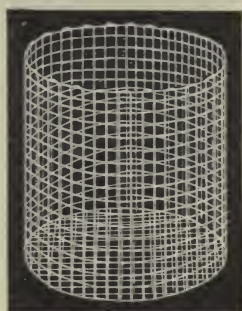
Laboratory Supplies



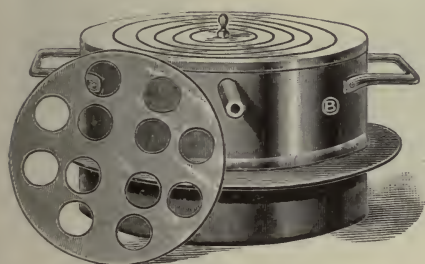
A-1775



A-1790



A-1795



A-1785



A-1780

Laboratory Supplies

A-1730	Section Lifter, all metal, German silver blade.....	\$0 15
A-1735	Section Lifter, all metal, German silver blade.....	15
A-1740	Section Lifter, thin flexible German silver blade, 40x12 mm.....	30
A-1745	Section Lifter, thin flexible German silver blade, 40x20 mm.....	35
A-1750	Section Lifter, thin flexible German silver blade, 50x38 mm.....	40
A-1752	Section Lifter, round, perforated.....	50
A-1755	Scissors, straight, sharp points, 115 mm. long.....	50
A-1760	Scissors, angular, sharp points, 115 mm. long.....	60
*A-1765	Scissors, curved on flat, sharp points, 115 mm. long.....	60
A-1770	Scissors, dissecting, fine	60
A-1775	Mouse Jar, glass, nickel plated cover, with wire cloth center.....	1 50
A-1780	Warming Plate of heavy copper, supported on iron legs.....	1 25
A-1785	Water Bath, polished copper, tin lined, 5 in., \$1.50; 6 in., \$2.00; 8 in.....	2 75
A-1790	Wire Basket, square, for holding test tubes, size 6 in. by 6 in. by 6 in....	60
A-1795	Wire Basket, round, for holding test tubes, 6 ins. diameter, 6 ins. high..	60

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Laboratory Apparatus



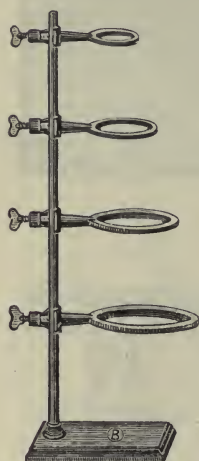
A-1810



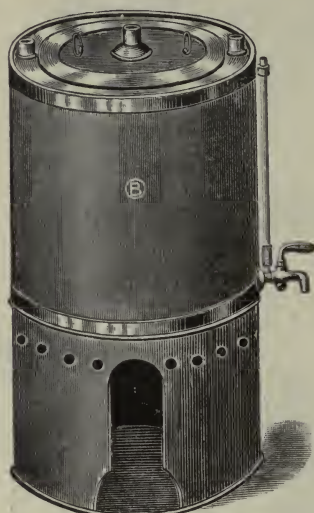
A-1825



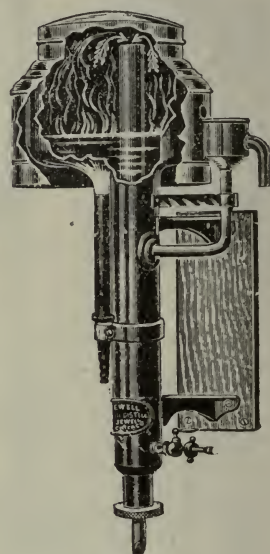
A-1820



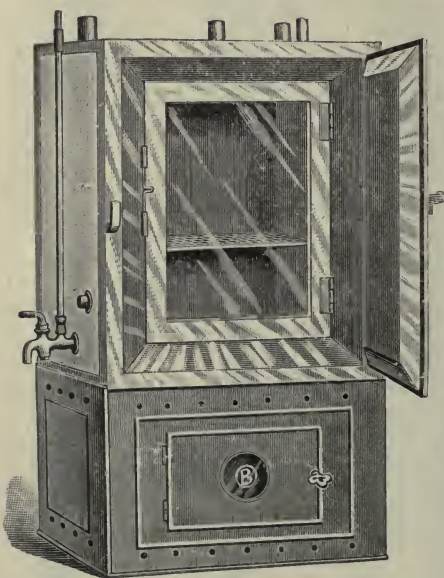
A-1900



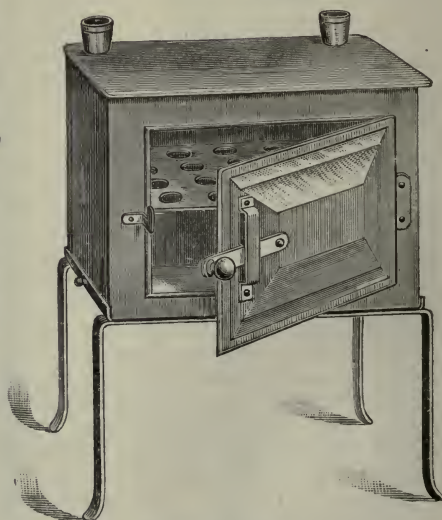
A-1865



A-1885



A-1850-1855-1860

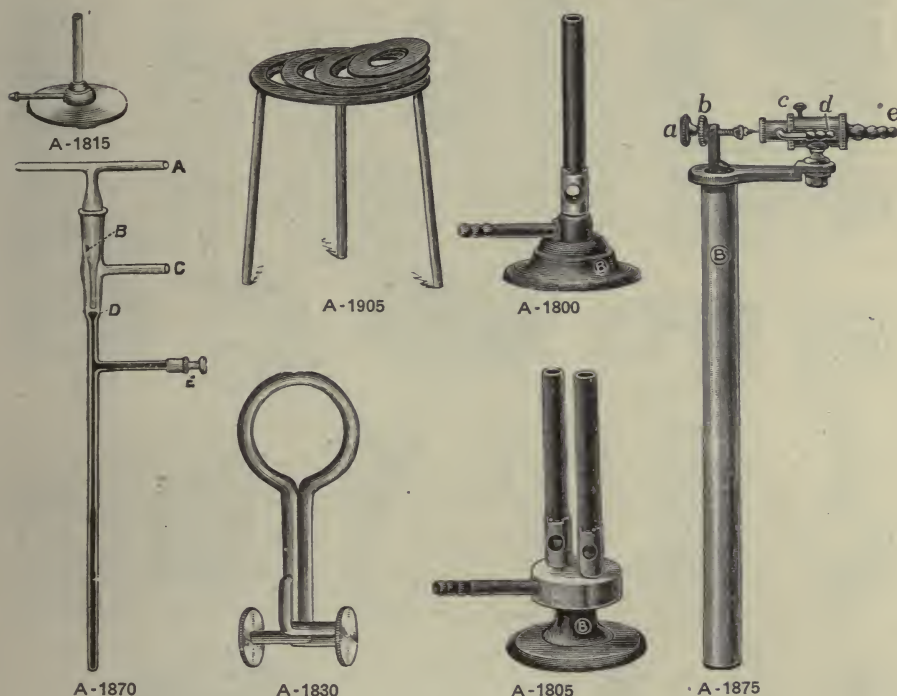


A-1835-1840-1845

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Laboratory Apparatus



Laboratory Apparatus

A-1800	Burner, Bunsen's, single tube, 6 ins. high.....	\$0 25
A-1805	Burner, Bunsen's, two tube, 6 ins. high.....	1 25
A-1810	Burner, Bunsen's, low form, 3 ins. high.....	50
A-1815	Burner, Bunsen's, micro, height 2 ins.....	50
A-1820	Clamp, iron, for burettes and small objects.....	40
A-1825	Clamp, iron, for large objects.....	55
A-1830	Clamp, Mohr's, for burettes, small, \$.10; large.....	15
A-1835	Drying Oven, double wall, polished copper, size 6"x8", 1 shelf.....	8 00
A-1840	Drying Oven, double wall, polished copper, size 8"x10", 1 shelf.....	10 00
A-1845	Drying Oven, double wall, polished copper, size 10"x12", 2 shelves.....	14 00
A-1850	Incubator, laboratory, inside dimensions, height 14 ins., width 12 ins., depth 10 ins.	75 00
A-1855	Incubator, laboratory, inside dimensions, height 12 ins., width 9 ins., depth 9 ins.	55 00
A-1860	Incubator, laboratory, inside dimensions, height 9 ins., width 7 ins., depth 7 ins.	40 00
Prices include thermometer, register, and Bunsen burner.		
A-1865	Incubator, Physician's, inside measurements 8"x9".....	18 00
A-1870	Regulator, Reichert's improved .....net	2 00
A-1875	Regulator, Roux's, bi-metallic, made entirely of metal, small size.....	10 00
A-1880	Regulator, Roux's, bi-metallic, made entirely of metal, large size.....	12 00
A-1885	Still, Jewel's, nickel plated copper, capacity 2000 cc. per hour.....	25 00
*A-1890	Still, with black tin water pipe connections.....	25 00
*A-1895	Support, rectangular base with two rings.....	45
A-1900	Support, rectangular base with four rings.....	1 00
A-1905	Tripod, iron, 8 ins. high; 5 in., \$.75; 6 in., \$.90; 8 in.....	1 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Laboratory Glassware



A-1910



A-1915



A-1930



A-1940



A-1925



A-1960



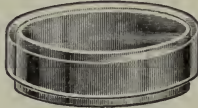
A-1920



A-1980



A-1970



A-1965



A-2085



A-1975



A-1990



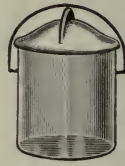
A-1985



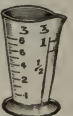
A-1995



A-2000



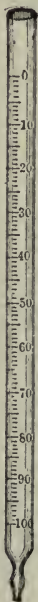
A-2020



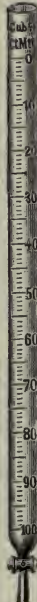
A-2010



A-2075



A-1945



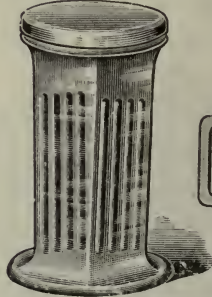
A-1950



A-2055



A-2060



A-2015



A-2040

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices on Laboratory Glassware Strictly Net.

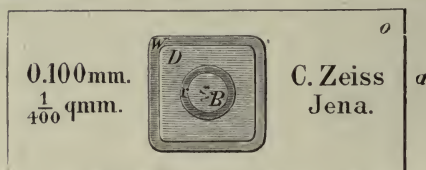
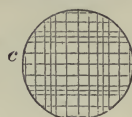
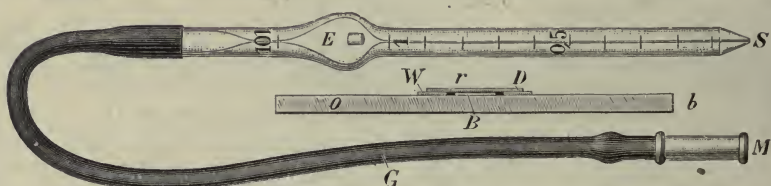
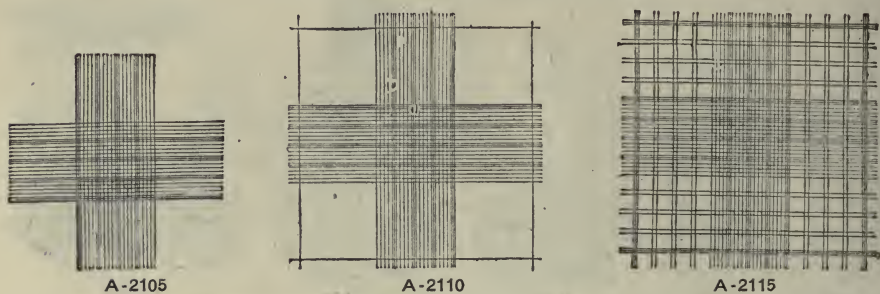
Laboratory Glassware



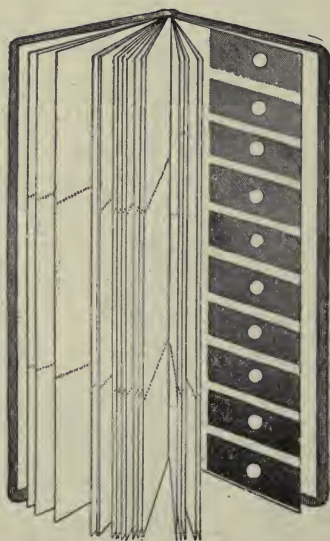
	A-2025	A-2030	A-2035	A-1935	A-2095	
A-1910 Beakers, with lip, capacity cc....	15	30	50	75	120	200
Each	.10	.10	.10	.10	.15	.20
A-1915 Bottle, Balsam, with dropper and glass cap....						300
A-1920 Bottle, Dropping, ground stopper, bulb pipette, 30 cc.....						450
A-1925 Bottle, Dropping, ground stopper, glass pipette, 30 cc.....						\$0 .25
A-1930 Bottle, Dropping, ground stopper, closed with half a turn, 30 cc.....						.25
A-1935 Bottle, Immersion Oil, unspillable.....						.25
A-1940 Bottle, Reagent, lettered, narrow mouth glass stopper, 125 cc., 32 reagents each						.35
A-1945 Burette, Mohr's, 10 cc., \$.40; 25 cc., \$.65; 50 cc., \$1.25; 100 cc.....						25
A-1950 Burette, Mohr's, with stop cock, 10 cc., \$1.00; 25 cc., \$1.25; 50 cc.....						1 50
*A-1955 Burette connection, consisting of rubber tube, pinch cock, and glass tip..						.25
A-1960 Dishes, Evaporating, porcelain, capacity cc.....						750
Each	50	100	150	200	300	.85
A-1965 Dishes, Petri's, 50 mm., \$.15; 80 mm., \$.20; 100 mm., \$.25; 120 mm.....						.50
A-1970 Dishes, Pasteur, 100 mm.....						.25
A-1975 Dishes, Preparation, loose cover, 50 mm., \$.20; 60 mm., \$.25; 80 mm.....						.35
A-1980 Dishes, Stender, 50 mm., \$.25; 60 mm., \$.30; 80 mm., \$.40; 100 mm.....						.50
A-1985 Flasks, Erlenmeyer, capacity cc.....						2000
Each	30	60	120	250	500	.50
A-1990 Flasks, Koch's, capacity cc.....						1000
Each	.10	.12	.15	.20	.25	.35
A-1995 Funnels, plain, \$.07; \$.09; \$.11; \$.14; \$.16; \$.22.....						.45
A-2000 Funnels, ribbed, \$.10; \$.13; \$.16; \$.22; \$.25; \$.35.....						.50
*A-2005 Glass Rod, diameter 2 to 12 mm., per pound.....						.50
*A-2006 Glass Tubing, outside diameter 2 to 25 mm., lengths 1½ meters, per pound						50
A-2010 Graduates, Graduated both in cubic centimeters and ounces.						1000
Capacity cc	15	30	60	125	250	500
Each	.25	.30	.40	.55	.80	1.35
A-2015 Jars, Coplin's, staining						.50
A-2020 Jars, Specimen, 200 cc., \$.15; 300 cc., \$.20; 500 cc., \$.25; 700 cc.....						.35
A-2025 Jars, Specimen. With mouth same size as body. Rubber gasket and clamp. Suspension rings on under side of glass cover.						375
Height mm	100	150	200	300	150	200
Diam. mouth mm.	57	57	57	88	88	125
Each	.45	.50	.55	.60	.75	1.00
We can furnish larger sizes upon application.						
A-2030 Jars, Specimen, Rectangular. White glass. Ground glass covers.						200
Height mm.	100	125	125	150	150	200
Length mm.	65	100	100	100	75	100
Width mm.	50	40	100	50	75	100
Each	.65	.75	1.30	1.30	1.30	1.40
A-2035 Lamps, Alcohol, glass, 1 oz., \$.30; 2 oz., \$.45; 4 oz.....						.50
A-2040 Moist Chamber, glass, diameter, 200 mm., \$.125; 240 mm.....						2 00
*A-2045 Pipettes, straight or curved, with bulb, per dozen.....						.30
*A-2050 Pipettes, straight, glass, 8 inch, \$.15; 12 inch.....						.20
A-2055 Pipettes, Mohr's, 1 cc., \$.25; 2 cc., \$.30; 5 cc., \$.40; 10 cc., \$.50; 25 cc., \$.75; 50 cc.....						1 00
A-2060 Pipettes, Volumetric, 1 cc., \$.10; 5 cc., \$.15; 10 cc., \$.20; 25 cc., \$.25; 50 cc.						.35
*A-2065 Test Tubes, best clear thin glass; 4 in., per doz., \$.20; 5 in., per doz., \$.25; 6 in., per doz.....						.30
*A-2075 Thermometer, Chemical, all glass, grad. to 100° Cent., \$1.25; 150°, \$1.50; 250°						1 75
A-2075 Thermometer, Incubator, graduated to 50° Cent.....						2 50
A-2080 Watch Glasses, Thin. Concave form. Diameter mm.	40	50	75	100		120
Per 10	.22	.24	.65	1.00		1.75
A-2085 Watch Glasses, Syracuse, diameter 65 mm., per 10.....						.50
A-2090 Watch Glasses, Syracuse, with ground bevelled surface, per 10.....						.65
A-2095 Watch Glasses, square, per 10.....						.50

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices on Laboratory Glassware Strictly Net.

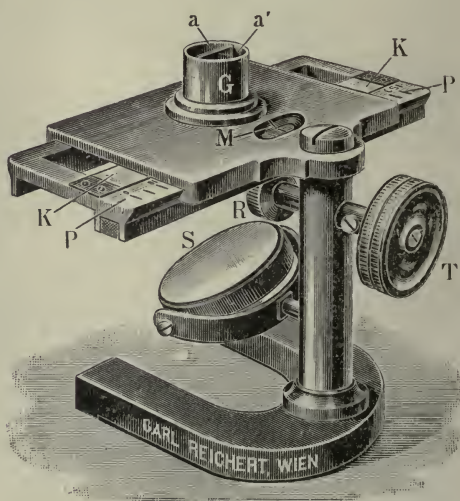
Blood Testing Apparatus



A-2100



A-2150



A-2130

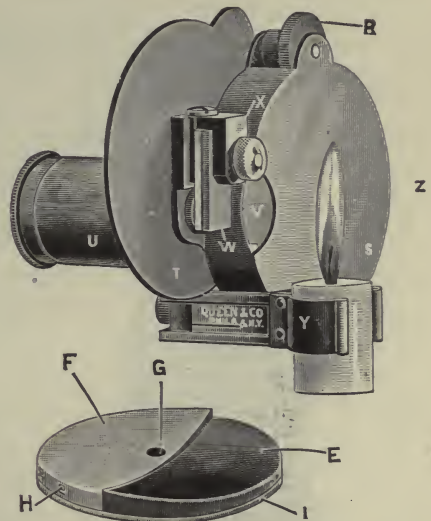
QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Blood Testing Apparatus



A-2140



A-2145

Diagnostic

- A-2100 Thoma Zells's Haemacytometer.
 Haemacytometer, complete in case, with one Thoma pipette for counting red corpuscles only, and Thoma counting chamber, net.....\$11 00
 Haemacytometer, complete in case, with both Thoma pipettes for counting red and white corpuscles, and Thoma counting chamber, net..... 15 25
- A standard instrument for counting the number and ascertaining the percentage of red or white corpuscles in human blood. A measured quantity of blood in a capillary pipette is diluted with a normal solution in known proportions; a drop of this mixture is deposited upon a small sunken counting chamber and a cover placed thereon. This glass counting chamber is ruled in minute squares and the number of corpuscles in a number of squares is counted with a medium power microscope objective.
- A-2105 Counting Chamber, Thoma rulings, with two cover glasses, in case, net.. 6 30
 A-2110 Counting chamber, Zappert's rulings, with two cover glasses, in case, net 6 30
 A-2115 Counting Chamber, Tuerk's rulings, with two cover glasses, in case, net.. 8 30
 *A-2120 Extra Pipettes, for red corpuscles, 1-100, net..... 3 80
 *A-2125 Extra Pipettes, for white corpuscles, 1-10, net..... 3 80
 A-2130 Haemometer, Von Fleischl's, a standard instrument for obtaining the percentage of haemoglobin in the blood by dilution of a fixed quantity with a measured amount of distilled water, comparing the resulting color with successive parts of a glass wedge of fixed colors varying in depth. Price, complete, in case, net 24 00
- *A-2135 Extra Capillary Tubes, each, net..... 30
- A-2140 Haemaglobinometer, Gower's, deals with a measured amount of blood diluted with distilled water in a graduated tube until it is of the same color as a tinted tube provided, when the percentage is read off on the scale. Accurate to within about 5 or 10 per cent. Latest modification after Sahli, for using either day or night, net..... 2 50
- A-2145 Haemaglobinometer, Dare's, deals with the undiluted blood which is drawn by capillarity into a very thin chamber of definite thickness and which is compared with a colored prism by modified light from a candlenet 25 00
- A-2150 Haemaglobinometer, Talquist's, is a simple bedside test adapted to the use of every physician on account of the ease and accuracy with which the test may be made, and its inexpensiveness. It consists of 50 pages of strips of absorbent paper with scale attached showing tints of haemaglobin from 10 per cent and 100 per cent, bound in book form, net 1 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Electric Centrifuges

The Victor Electric Centrifuge



A-2181-2182

RIGIDITY. It is essential that the utmost steadiness be maintained in operation, furthermore, it is necessary, after precipitation has taken place, and the tubes come to rest that they do so gradually, and when they finally come to a perpendicular position that they meet with no obstruction, for should they be subjected to even a slight jar it would frequently result in the recombining of the fluids in the tube and of course the result of the test would be nil. In the Victor Centrifuge the necessary rigidity and steadiness is obtained, first, by the use of a broad, heavy base, second, an unusually heavy armature is used, this being carefully and accurately balanced. Other means are also provided to prevent the striking of the tubes when the machine is stopped.

IRON CLAD. A glance at the illustration will show that the machine is completely encased in an iron outer jacket. This thoroughly protects all of the working parts from accidental injury and from the spilling of fluids, etc. It also makes it possible to thoroughly cleanse the entire exterior.

DURABILITY. The bearings and the commutator are the only parts on an electric centrifuge that are subjected to frictional wear. In the Victor Outfit the bearings and commutator are at least twice as large as the ones ordinarily used in machines of this size so that the machine being iron clad and having wearing parts double the size actually required, is practically indestructible, and the cost of maintenance is so small as to be negligible.

FINISH. The iron exterior of the outfit is first ground and polished, then treated with four baked coats of black japan, resulting in a highly polished black surface, impervious to acids and alkalis.

A-2181 Victor No. 1 Centrifuge, with speed controlling rheostat, two sedimentation tubes (one graduated) with protectors. 110 to 220 volt direct current...\$30 00

A-2182 Victor No. 1 Centrifuge, with speed controlling rheostat, two sedimentation tubes (one graduated) with protectors. For 60 cycle alternating current. 30 00

If 4-arm attachment is wanted in place of 2-arm, add \$3.00.

Prices for Currents of other Cycles and Voltages given on request.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 5% will be allowed for Cash with Order or C. O. D. shipments except on those items marked net.

No one now questions the value of the Centrifuge for the analysis of blood, urine, milk, water, etc. The advantages of electrically operated Centrifuges over those operated by hand or water power are so obvious as hardly to require mention, briefly stated, the electric Centrifuge—is far more accurate because of the ability to obtain and maintain any speed desired—does away with the severe and taxing manual labor of hand operation,—saves time, is quiet in operation and in every way more convenient.

POWER. The motor has ample power to insure steadiness and uniformity of speed under varying load conditions.

SPEED. The maximum speed of the Direct Current Outfit is 2200 R. P. M. Alternating Current Outfit 1600 R. P. M., at these speeds the machines will carry arms and tubes of sufficient length to develop ample centrifugal force for blood precipitation, sputum examination, etc.

SPEED REGULATION. It is of prime importance that the speed of the centrifuge be under good control, there are sure to be occasional variations of current and other factors that would prevent the maintaining of a uniform speed under all conditions, unless some speed regulator were provided, then extremely fragile sediment must be handled with medium speed, while very light sediments require the highest speed to produce sedimentation.

All Victor Centrifuges, whether for direct or alternating current, are provided with speed regulator having a number of steps.

Provision is made so that the speed may be determined by means of any ordinary speed gauge.

Electric Centrifuges



A-2192

A-2192 DOME PROTECTOR FOR VICTOR CENTRIFUGE.

The Dome Protector is designed to protect the operator and others from flying particles or liquids and to avoid the possibility of any person or object coming in contact with the rapidly moving arms. By lessening the air resistance it increases the speed of the Centrifuge under the same load conditions, thus adding to its capacity.

Made of heavy spun copper.

No trouble to put it in place.

Price \$7 50

*A-2183	Haematokrit for Victor Electric Centrifuge, with two graduated blood and two plain sputum tubes	\$5 00
*A-2184	Milk Tubes for Victor Electric Centrifuge, accurate with one-fifth of one per cent fat	50
*A-2186	Urine Tube. Graduated for Victor Electric Centrifuge.....	55
*A-2187	Urine Tube, plain, for Victor Electric Centrifuge.....	15
*A-2188	Four Tube Attachment, for Victor Electric Centrifuge.....	5 00
*A-2180	Purdy Electric Centrifuge for examination of Urine, with double urine arm carrying two tubes, two plain glass sediment tubes and two graduated percentage tubes, net.....	32 00
*A-2185	Purdy Electric Centrifuge, same as No. A-2180, with addition of haematokrit arm for examination of blood and sputum, net.....	37 00
*A-2190	Purdy Electric Centrifuge, same as No. A-2180, with addition of precipitating arm for manipulation of micro-organisms, net.....	37 00
*A-2195	Purdy Electric Centrifuge, same as No. A-2180, with both haematokrit and precipitating arm, net	42 00
*A-2200	Special Arm for four tubes for Purdy Centrifuge with glassware, where ordered with the centrifuge instead of two arm tube, net.....	4 50
*A-2205	Purdy New Precipitating Arm, for the concentration of bacteria in urine, with two tubes, net	5 00
*A-2210	Urine Percentage Tubes, 5½ inches, graduated 15 cc., each.....	55
*A-2215	Plain Sediment Tubes, without graduation, 5½ inches, each.....	25
*A-2220	Aluminum Shields, 5 inches, each.....	30
*A-2225	Speed Gauge	2 50

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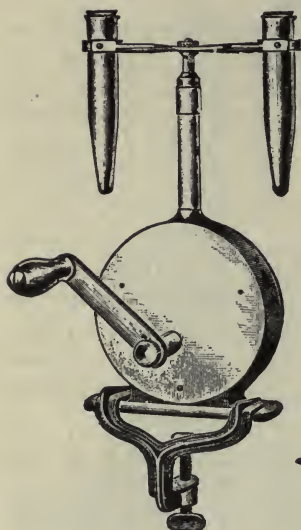
Hand and Water Power Centrifuges

The centrifuge is now in general use for the clinical examination of blood, urine, milk, and sputum, and for the collection of the organisms or solids in water, chemical precipitation, etc.

Applied to urinary analysis it permits the estimation of the per cent of albumen, chlorides, phosphates, and sulphates in three minutes time at the bedside if desired, and the collection of cellular elements for microscopical examination.

Daland's Haematokrit gives the number of red corpuscles in the blood, also in three minutes, and without the necessity of diluting it.

Our hand centrifuges are extremely compact and yet strong and durable. The use of specially cut gears, together with accurate workmanship throughout, enable us to produce a very easy, quiet running, and lasting machine which we sell at a very moderate price. The gears are all enclosed in the dust proof case.

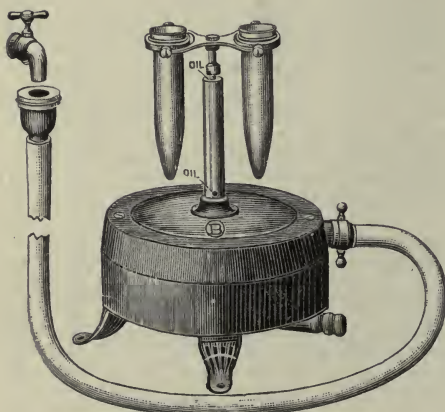


A-2230

Hand Centrifuge

- A-2230 Centrifuge, complete with one graduated and one ungraduated sedimentation tube. Each..... \$8 00
- A-2235 Centrifuge, double speed, complete with Daland's haematokrit for collecting blood corpuscles, automatic pipette for filling haematokrit tubes, one graduated and one ungraduated sedimentation tube, and two sputum tubes for collecting bacteria from sputum. Each.. 12 00

Water Power Centrifuge



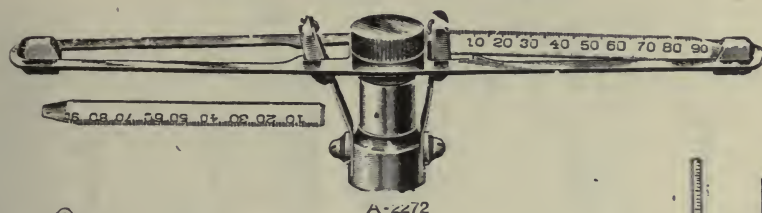
A-2240

- A-2240 Centrifuge, Water Power. Where the electric current cannot be had and a centrifuge for blood work is not required, the Water Power Centrifuge offers all the advantages of the electric at a much less cost. It utilizes a cheap and common source of power. Our instrument is compact, strong, durable and handsomely finished. It is made entirely of metal. The bearings and working parts are carefully fitted to insure high speed, smooth and easy running with lasting qualities. Varying speeds are obtained by reducing the water supply. Complete with two-arm sedimentation attachment, ungraduated tube for collection of sediment for microscopical examination and graduated tube for percentage determinations. Each\$10 50

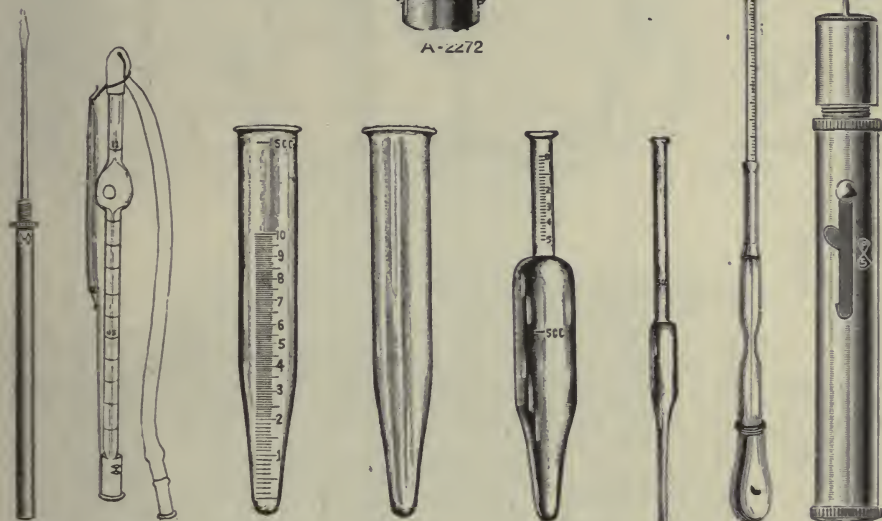
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Centrifuge Accessories



A-2272



A-2252	A-2312	A-2295	A-2300	A-2275	A-2285	A-2290	A-2250
*A-2245	Blood Lancet, Boldt's.....						\$2 00
A-2250	Blood Lancet, Moore's.....						2 00
A-2252	Blood Lancet, plain, reversible.....						50
*A-2255	Centrifuge Carrying Case. This case is arranged to take the centrifuge, with all accessories, including a box of object slides. It is covered with fine leather, has nicked hinges and lock, and is lined with velvet.....						4 00
*A-2260	Centrifuge Clamp. For attaching the centrifuge to the table.....						50
*A-2265	Centrifuge Four-Tube Attachment. This attachment is used in board of health and other laboratories for milk analysis, etc., as four tests can be made at one time.....						5 00
*A-2270	Centrifuge guard for Haematokrit. This attachment consists of a metal shield which fits over the haematokrit, so that the revolving parts are entirely enclosed.....						2 00
A-2272	Centrifuge, Haematokrit, Daland's.....						3 50
A-2275	Centrifuge Milk Tubes. These tubes are used for milk analysis in place of the regular sedimentation tubes and are graduated to give percentage readings of fats in milk according to the Leffman-Beam or Babcock methods. Very useful for human as well as cow's milk analysis..						50
A-2280	Centrifuge Percentage Tubes. For the haematokrit. With accurate lumen, lens-edge to magnify column of blood and the graduations, and graduated in millimeters from 0 to 100.....						50
A-2285	Centrifuge Pipette. For filling milk tubes. Graduated to 1 cc.....						20
A-2290	Centrifuge Pipette. For filling haematokrit tubes.....						35
A-2295	Centrifuge Sedimentation Tubes. Graduated in 1-10 cc. to 10 cc., with conical end to aid in reading small deposits.....						35
A-2300	Centrifuge Sedimentation Tubes. Ungraduated. For collecting sediments for microscopical examination.....						15
*A-2305	Centrifuge shield tubes. Of aluminum. These shields protect the glass sedimentation tubes. They are regularly furnished with the centrifuge, but are listed extra for renewal in case of damage.....						40
*A-2310	Centrifuge Sputum Tubes. For use in haematokrit frame. Same shape as percentage tubes. Ungraduated.....						25
A-2312	Stopper, Bunnell's, for blood pipette. Used for closing the pipette after taking blood at bedside. Where the pipette must be carried from the bedside to the laboratory for counting, this little stopper will be found practical and useful.....						35

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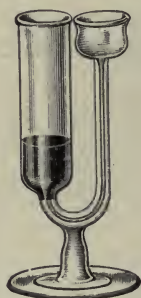
Apparatus for Urinalysis



A-2315



A-2325



A-2320



A-2345



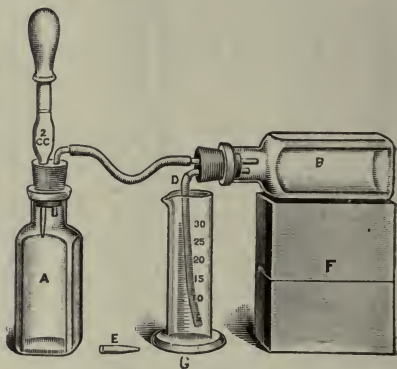
A-2350



A-2410



A-2420



A-2405



A-2430



A-2435



A-2440

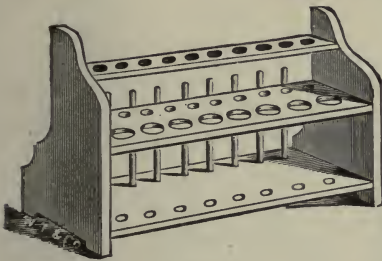


A-2445

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Apparatus for Urinalysis



A-2375.



A-2355



A-2340



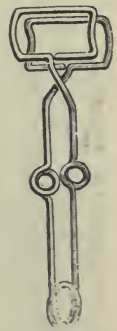
A-2335



A-2360



A-2460



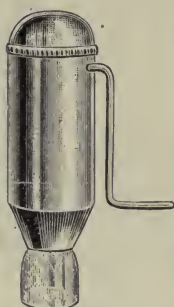
A-2365

A-2315	Albuminometer, Esbach's, for quantitative estimation of albumen in urine	\$0 75
A-2320	Albumoscope, for detection of albumen in urine with nitric acid. It is quick and sensitive (to 1-60 per cent) bringing the acid full strength into contact with the urine.....	1 00
A-2325	Fermentation Tube, ungraduated.....	35
*A-2330	Fermentation Tube, graduated.....	50
A-2335	Pipette, ordinary, per dozen.....	30
A-2340	Pipette, long, 8-inch, \$.20; 12-inch.....	25
A-2345	Saccharometer, Einhorn's, fermentation.....	75
A-2350	Saccharometer, Einhorn's, improved.....	1 50
A-2355	Sedimentation Glasses, conical, 100 cc. capacity.....	25
A-2360	Test Tubes, 4-inch, 5-inch and 6-inch, per dozen.....	30
A-2365	Test Tube Holder, wire.....	15
*A-2370	Test Tube Rack, to hold 6 tubes.....	50
A-2375	Test Tube Rack, to hold 12 tubes.....	75
*A-2380	Test Paper, Congo, per dozen books.....	50
*A-2385	Test Paper, Litmus, blue, per dozen books.....	40
*A-2390	Test Paper, Litmus, red, per dozen books.....	40
*A-2395	Test Paper, Turmeric, per dozen books.....	60
*A-2400	Test Pencil, Litmus, red and blue.....	25
A-2405	Urea Apparatus, Squibb's, for estimation of urea in urine by displacement. Complete, with 50 cc. bottle of reagent.....	2 50
A-2410	Ureometer, Doremus', for rapidly estimating amount of urea by hypobromate method. With graduated pipette and graduated fermentation tube on foot.....	1 00
*A-2415	Ureometer, Doremus', same as above without foot.....	80
A-2420	Ureometer, Doremus-Hinds', improved form with glass stop cock in connection between graduated side tube and fermentation tube by which a definite amount of urine is admitted to the fermentation tube without the escape of gas.....	2 50
*A-2425	Ureometer, Doremus-Hinds', on glass foot.....	3 00
A-2430	Urinometer, plain.....	35
A-2435	Urinometer, milk glass scale, and graduated jar.....	75
A-2440	Urinometer, Squibb's pattern.....	1 00
A-2445	Urinometer, with thermometer.....	1 25
*A-2455	Urine Test Set, complete with reagents, as illustrated.....	6 00
A-2460	Urine Test Set, Douglass's, same as above but with removable glass base plate of opal glass.....	7 50

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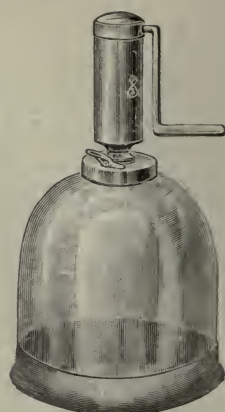
Cupping and Leeching



A-2510.



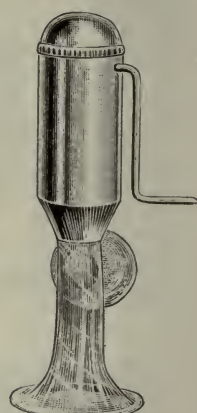
A-2555



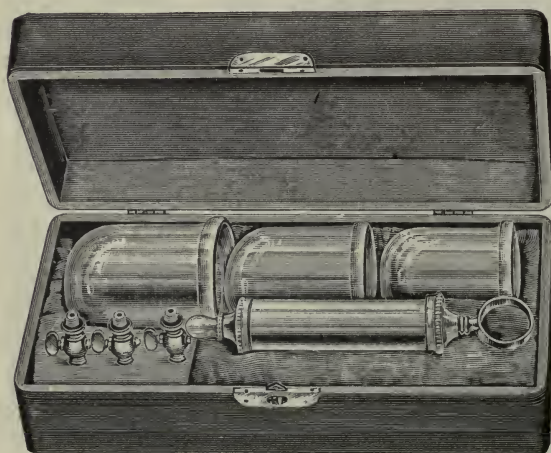
A-2540



A-2522



A-2550



A-2520



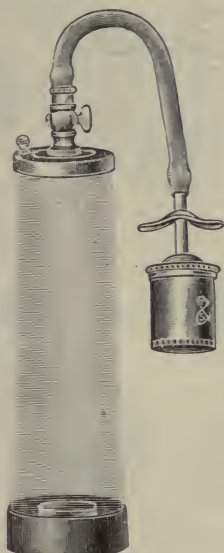
A-2535

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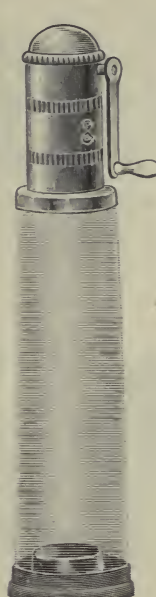
Cupping and Leeching



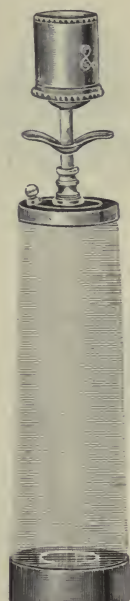
A-2475



A-2480



A-2490



A-2485

Cups, Leeches, Scarificators, Etc.

*A-2465	Artificial Leech, Herteloup's, one tube.....	\$4 75
*A-2470	Artificial Leech, Herteloup's, two tubes.....	6 00
A-2475	Baunscheidt's Instrument, for counter irritation.....	1 75
A-2480	Congester, Penis, soft rubber tube and metal pump, with release valve and stop cock	3 75
A-2485	Congester, Penis, metal suction pump, with release valve.....	3 00
A-2490	Congester, Penis, metal rotary suction pump.....	2 50
*A-2495	Cupping Cups, glass, plain, 3 sizes, each, \$.20; doz.....	2 00
*A-2500	Cupping Cups, glass, plain, with stop cock, 3 sizes, each.....	90
*A-2505	Cupping Cup, with soft rubber suction bulb, 3 sizes, each.....	50
A-2510	Cupping Cup, with metal rotary suction pump, 3 sizes, each.....	2 25
*A-2515	Cupping Cup, soft rubber, 3 sizes, each.....	1 25
A-2520	Cupping Set, with 3 glass cups and stop cocks, metal suction pump, in case	5 50
A-2522	Cupping Set, complete with 4 cupping cups, 1 breast developer, and 1 penis congester with rotary suction pump.....	7 50
*A-2525	Cupping, Thomas's, dry, hard rubber, 3 sizes.....	1 25
*A-2530	Developer, Breast, glass, with rubber bulb.....	1 50
A-2535	Developer, Breast, glass, with metal suction pump and stop cock.....	2 50
A-2540	Developer, Breast, glass, with metal rotary suction pump and release valve	2 50
*A-2545	Pump, Breast, glass, with rubber bulb.....	75
A-2550	Pump, Breast, glass, with rotary metal suction pump	2 00
A-2555	Scarificator, reversible, 12 blade.....	4 25

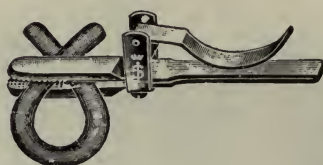
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Dr. A. Biers Vacuum Apparatus



A-2560



A-2565



A-2570



A-2575



A-2580



A-2585



A-2590



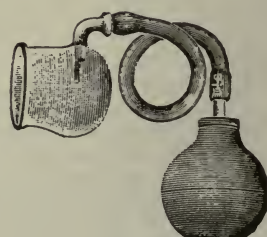
A-2595



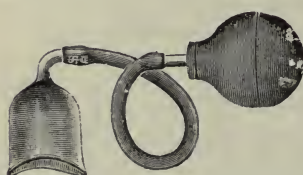
A-2600



A-2605



A-2610



A-2620



A-2625



A-2615

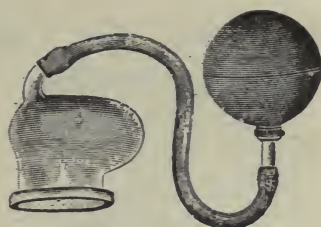
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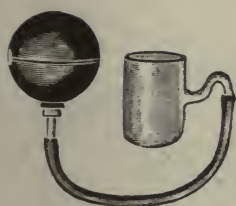
Dr. A. Biers Vacuum Apparatus



A-2630



A-2635



A-2640



A-2645



A-2650

A-2560	Bier's Bandage Clamp	\$1 00
A-2565	Bier's Tubing Clamp	2 50
A-2570	Bier's Elastic Bandage for otitis.....	40
A-2575	Bier's Cups, for the gum (No. 110), 2 sizes, each.....	60
A-2580	Bier's Cups, for styte (No. 110½), 2 sizes, each.....	60
A-2585	Bier's Cups, for face furuncle (No. 111), 2 sizes, each.....	60
A-2590	Bier's Cups, for lip furuncle (No. 112), 1 size, each.....	65
A-2595	Bier's Cups, for the temple (No. 152), 2 sizes, 1 inch, \$1.50; 1¼ inch.....	1 70
A-2600	Bier's Cups, for the lip (No. 112½), 2 sizes, each.....	1 35
A-2605	Bier's Cups, for the temples (No. 111½), 2 sizes, each.....	1 15
A-2610	Bier's Cups, for furuncle (No. 118½), 1 inch, \$1.50; 1¼ inch, \$1.75; 1½ inch	2 00
A-2615	Bier's Cups, for furuncle (No. 118), 1 inch, \$1.25; 1¼ inch, \$1.40; 1½ inch	1 50
A-2620	Bier's Cups, for high furuncle (No. 119), 1¼ inch, \$1.60; 1½ inch.....	1 80
A-2625	Bier's Cups, for high furuncle (No. 119½), 1¼ inch, \$1.75; 1½ inch.....	2 00
A-2630	Bier's Cups, for furuncle (No. 120), 1 inch, \$1.35; 1¼ inch, \$1.50; 1½ inch	1 75
A-2635	Bier's Cups, for furuncle (No. 124), 1½ inch, \$2.35; 1¾ inch.....	2 65
A-2640	Bier's Cups, for furuncle, lower jaw (No. 154), 1¼ inch, \$1.75; 1½ inch..	2 00
A-2645	Bier's Cups, for carbuncle and abscess (No. 122), 2 inch, \$2.65; 2¾ inch..	2 80
A-2650	Bier's Cups, for carbuncle and abscess (No. 125) 2¾ inch.....	3 00

An illustrated pamphlet of 32 pages containing the entire assortment of vacuum apparatus devised by Dr. A. Bier, for the induction of artificial hyperemia in the treatment of inflammatory diseases, will be sent free on application.

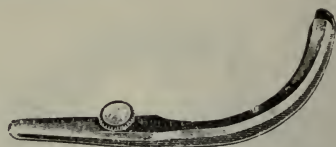
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Infusion and Transfusion



A-2743



A-2747



A-2749



A-2744



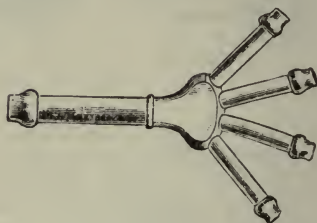
A-2746



A-2715



A-2700



A-2725



A-2705



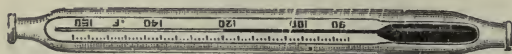
A-2690



A-2697



A-2658



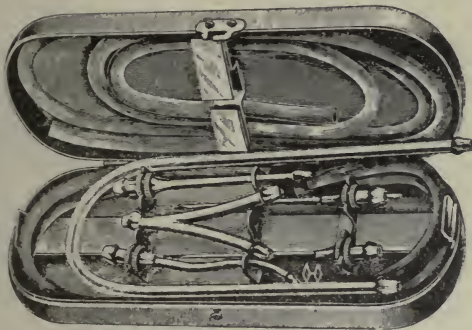
A-2710



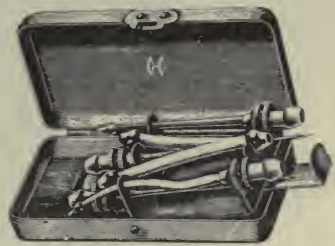
A-2680

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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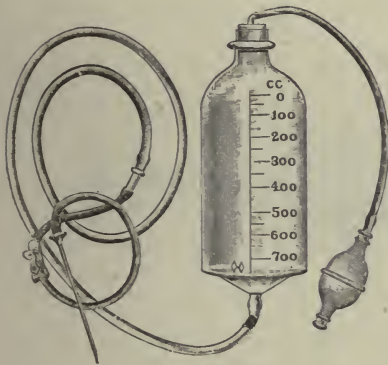
Infusion and Transfusion Apparatus



A-2675



A-2670



A-2660



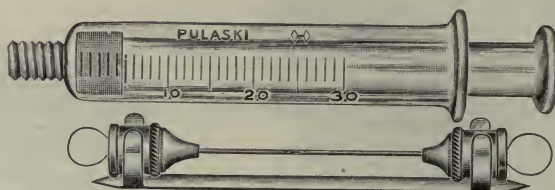
A-2655

A-2655	Infusion Apparatus, Fowler's, complete with needles, thermometer and 60 ounce bottle	\$6 50
*A-2657	Infusion Apparatus, Fowler's, complete with needles, thermometer and 30 ounce bottle	6 00
A-2658	Infusion Apparatus, Haslam-Fowler's, with 30 ounce bottle.....	3 50
A-2660	Infusion Apparatus, Kelly's	3 00
A-2670	Infusion Set, Webster's, in metal case.....	2 00
A-2675	Infusion Set, Webster's, in metal case, complete with rubber tubing.....	3 00
A-2680	Infusion Needle, DeLee's, with canulae	1 50
*A-2685	Infusion Needle, Webster's, fine subcutaneous.....	25
A-2690	Infusion Needle, Webster's, medium, subcutaneous.....	25
*A-2695	Infusion Needle, Webster's, heavy, subcutaneous.....	35
A-2697	Infusion Tube, Fowler's, intravenous.....	75
A-2700	Infusion Tube, Webster's, straight, intravenous, metal.....	50
A-2705	Infusion Tube, Webster's, curved, intravenous, metal.....	50
*A-2706	Infusion Tube, Webster's, straight, intravenous, glass.....	25
*A-2707	Infusion Tube, Webster's, curved, intravenous, glass.....	35
*A-2708	Infusion Tube, double curved, intravenous, metal.....	75
A-2710	Infusion Thermometer, showing temperature of salt solution in use.....	1 50
A-2715	Infusion Y, metal, 2 point.....	50
*A-2720	Infusion Y, glass, 2 point.....	25
A-2725	Infusion Y, metal, 4 point.....	75
*A-2730	Infusion Y, glass, 4 point.....	50
*A-2740	Transfusion Apparatus, Collin's.....	15 00
A-2743	Transfusion Canulae, Crile's, shown full size, set of 4 in case.....	3 00
A-2744	Transfusion Clamp, Crile's, carotid, 3 inch.....	1 00
A-2746	Transfusion Clamp, Crile's, carotid, slightly curved, 4 1/4 inch.....	2 00
A-2747	Transfusion Clamp, Crile's, carotid, full curved, 3 3/4 inch.....	2 00
*A-2748	Transfusion Clamp, Crile's, radial, straight, 1 1/2 inch.....	1 25
A-2749	Transfusion Forceps, Crile's, for picking up the vessel.....	1 75
*A-2751	Vein Expander, Bivalve	90

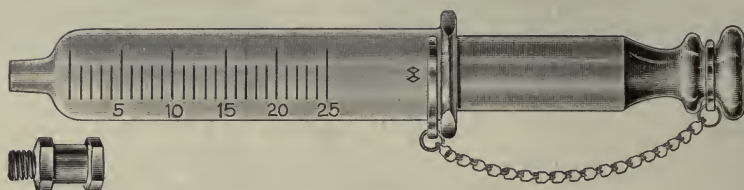
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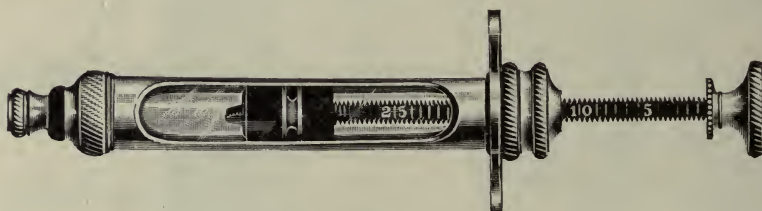
Hypodermic Syringes



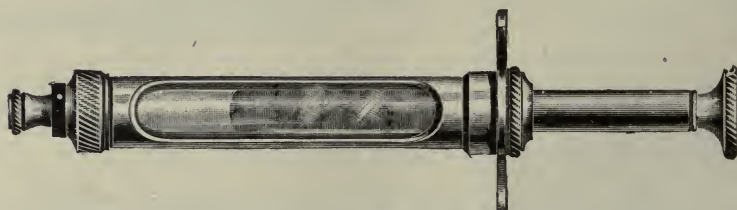
A-2770



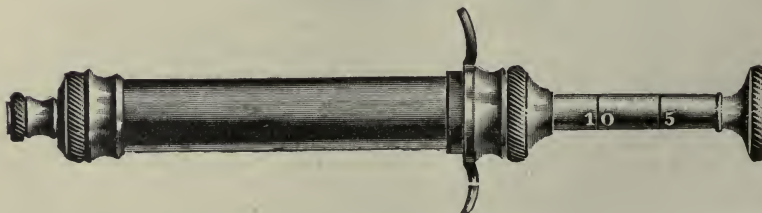
A-2756-2764



A-2750



A-2755

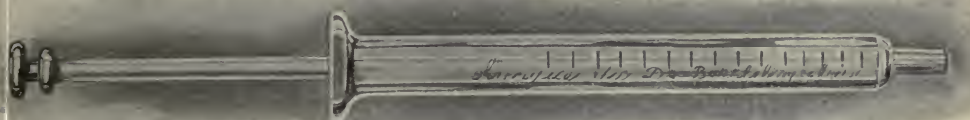


A-2760

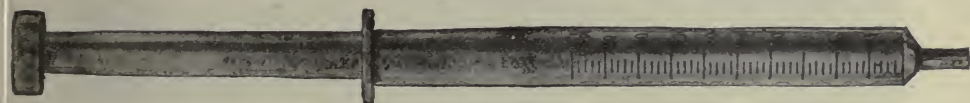
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Hypodermic Syringes



A-2772-2773



A-2774

Hypodermic Syringes

A-2750	Hypodermic Syringe, glass barrel, fenestrated metal guard, leather packing, with oil chamber and finger rests, adapted for tablets or liquids....	\$ 75
A-2755	Hypodermic Syringe, glass barrel, fenestrated metal guard, solid metal piston, cork packing, and finger rests, adapted for tablets or liquids....	75
A-2760	Hypodermic Syringe, The Ideal, all metal, with metal expanding packing, metal barrel, finger rests, requires no washers, represents the highest type of all metal syringes made today.....	1 25
A-2756	Haslam-Luer Syringe, 1 cc., long piston.....	2 00
A-2757	Haslam-Luer Syringe, 1 cc., short piston, opal.....	2 00
A-2758	Haslam-Luer Syringe, 2 cc., long piston.....	2 25
A-2759	Haslam-Luer Syringe, 2 cc., short piston, opal.....	2 25
A-2761	Haslam-Luer Syringe, 5 cc., long piston.....	3 00
A-2762	Haslam-Luer Syringe, 5 cc., short piston, opal.....	3 00
A-2763	Haslam-Luer Syringe, 10 cc., long piston.....	3 50
A-2764	Haslam-Luer Syringe, 10 cc., short piston, opal.....	3 50

The Haslam-Luer all glass syringes are made absolutely clean and sterilizable. There are no washers, the needles slide on making a clean tight joint. They are made in France by the most expert glass grinders, and each piston is ground absolutely correct to its barrel. Price includes two suitable needles with each syringe. They can be used for hypodermatic, antitoxine, mercurial or alcohol injections.

NOTE.—All of the Haslam-Luer syringes are furnished with an adapter so that all needles having a universal thread can be used with them.

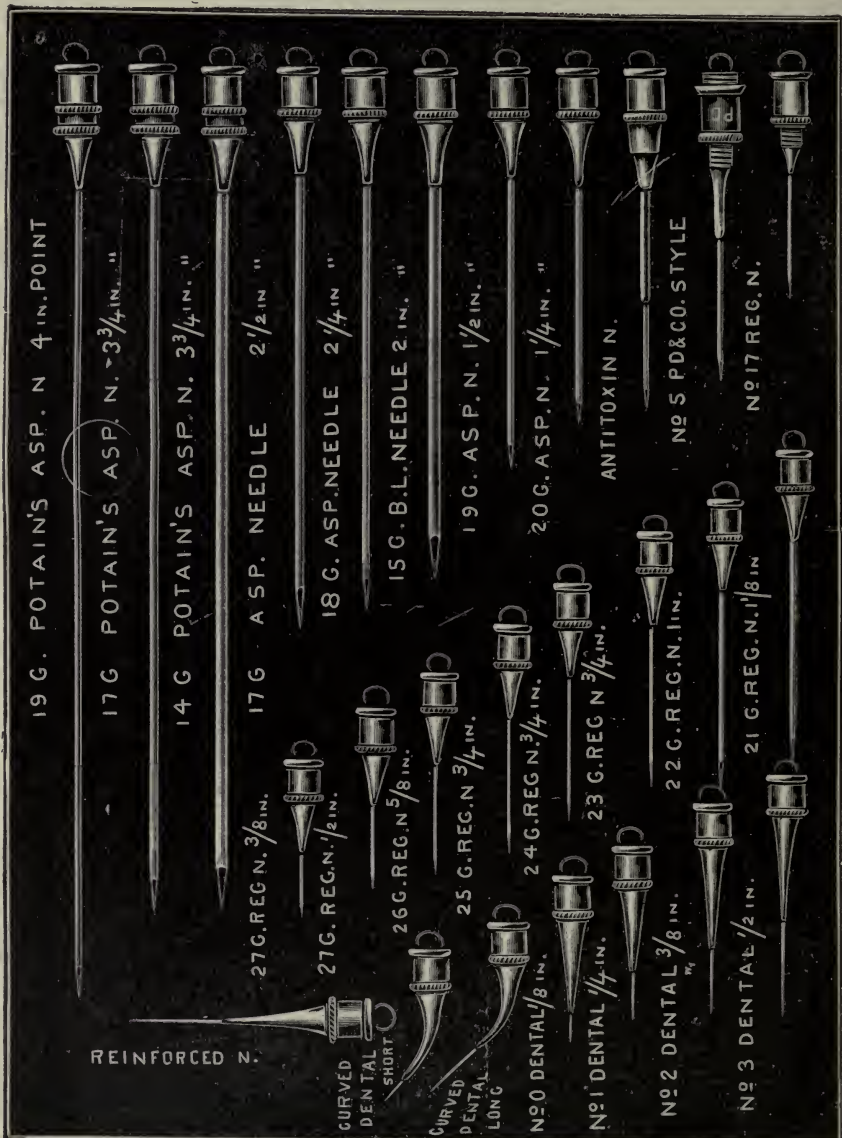
*A-2960	"Levy-Baudoin" Syringe, capacity 2 cc., having gold plated, graduated canulae and mandarin, for deep alcohol injections in tri-racial neuralgia	3 75
A-2770	"Pulaski" Syringe, barrel made of heavy annealed glass, plunger with asbestos packing. A first-class syringe at reasonable price that can be rendered thoroughly sterile, in card board box.....	75
*A-2771	"Pulaski" Syringe, same as above, metal case.....	1 00
A-2772	"Barthelemy's" Syringe, for gray oils, ½ cc., divided into fortieths of 1 cc., in metal case with two steel needles.....	4 00
A-2773	"Barthelemy's" Syringe, 1 cc., same as above.....	4 00
A-2774	"Fornier's" Syringe, tuberculin, graduated in one hundredths of 1 cc., in metal case with two steel needles. Made either in ½ or 1 cc. capacity..	4 00

Platinum in place of steel needles for the "Barthelemy" and "Fornier" syringes at an additional cost of \$1.00.

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Antitoxine, Aspirating Hypodermic Needles



		Gauge.	Each.	Per Dz.
A-2775	Anti-Toxin Needles, plain.....	19 to 22	\$0 20	\$2 00
A-2780	Anti-Toxin Needles, reinforced.....	19 to 22	25	2 50
A-2785	Aspirating Needles, 1½ inch, 1¾ inch, 2 inch.....	18 to 20	25	2 50
A-2790	Aspirating Needles, 2¼ inch, 2½ inch, 2¾ inch.....	16 to 20	35	3 50
A-2795	Aspirating Needles, 3 inch, 3¼ inch, 3½ inch.....	15 to 20	40	4 00
A-2800	Aspirating Needles, 3¾ inch, 4 inch.....	12 to 18	45	4 50
A-2805	Dental Needles, No. 0, No. 1, No. 2, No. 3.....	24 to 27	15	1 25
A-2810	Dental Needles, curved, short or long.....	14 to 27	20	2 00
A-2815	Hypodermic Needles, regular, ⅜ in. to ¾ in. points..	24 to 27	10	75
A-2820	Hypodermic Needles, reinforced, ⅜ in. to ¾ in. points	24 to 27	15	1 25
A-2825	Hypodermic Needles, Green's, ⅜ in. point.....	24 to 27	10	75
A-2830	Hypodermic Needles, No. 5, P. D. & Co. pattern.....	24 to 27	15	1 25
A-2835	Hypodermic Needles, No. 17 style.....	24 to 27	10	75
*A-2840	Hypodermic Needles, Luer's	24 to 27	25	...
*A-2845	Hypodermic Needles, Pulaski or Sub Q.....	24 to 27	15	1 50

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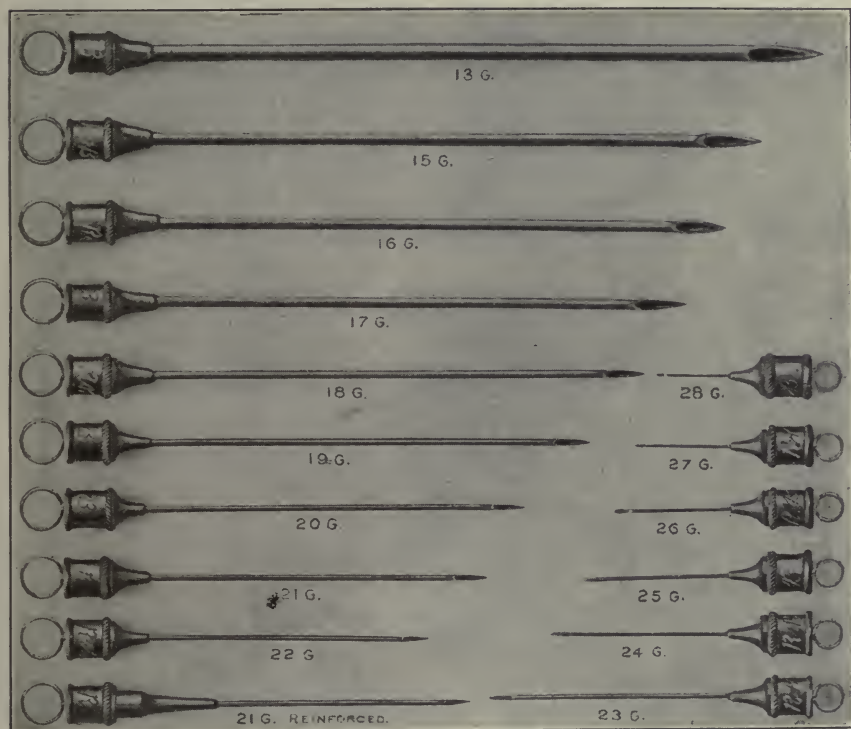
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Hypodermic Needles

Trade *RAB* Mark Polished Razor Edge Needles are Made For Every Purpose from specially prepared tubing, carefully tempered, plated and finished with the *RAB*.

Polished Razor Edge Point. Each needle is tested and warranted—

- (a) Not to leak at any point.
- (b) Not to break in use.
- (c) To cause less pain in making incisions, and
- (d) To wear longer and more satisfactorily than any other needle on the market.



Price List of *RAB* Needles

Made for Either Screw Thread or Slip Joint Syringes

	Gauge	$\frac{1}{4}$ to $\frac{3}{4}$ "	1 to $1\frac{3}{4}$ "	2 to $2\frac{3}{4}$ "	3 to 4"
		Per Dozen	Per Dozen	Per Dozen	Per Dozen
A-2846 — Needles.....	28	\$2 00	\$2 50	\$3 00	
A-2846A — Needles.....	27	1 50	2 00	2 50	\$3 00
A-2846B — Needles.....	26	1 50	2 00	2 50	3 00
A-2846C — Needles.....	25	1 50	2 00	2 50	3 00
A-2846D — Needles.....	24	1 50	2 00	2 50	3 00
A-2846E — Needles.....	23	1 50	2 00	2 50	3 00
A-2846F — Needles.....	22	1 75	2 25	2 75	3 25
A-2846G — Needles.....	21	1 75	2 25	2 75	3 25
A-2846H — Needles.....	20	2 00	2 50	3 00	3 50
A-2846I — Needles.....	19	2 00	2 50	3 00	3 50
A-2846J — Needles.....	18	2 00	2 50	3 00	3 50
A-2846K — Needles.....	17	2 25	2 75	3 25	3 75
A-2846L — Needles.....	16	2 25	2 75	3 25	3 75
A-2846M — Needles.....	15	2 25	2 75	3 25	3 75
A-2846N — Needles.....	13	2 50	3 00	3 50	4 00

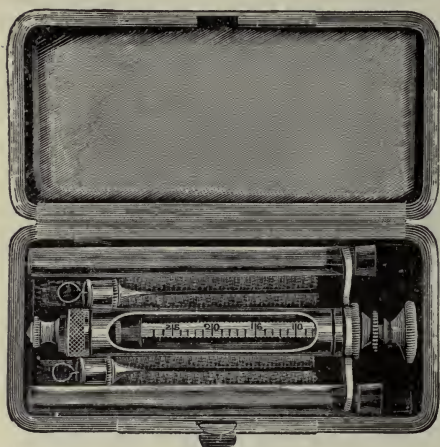
RAB

Spinal Anaesthesia Needles, Lachrymal, Abscess, and other steel, gold, and iridio-platinum needles, made to order in any desired style of thread, length or gauge.

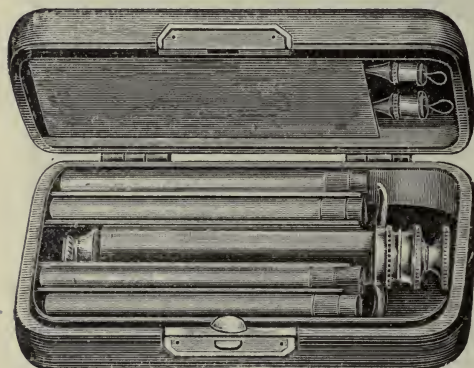
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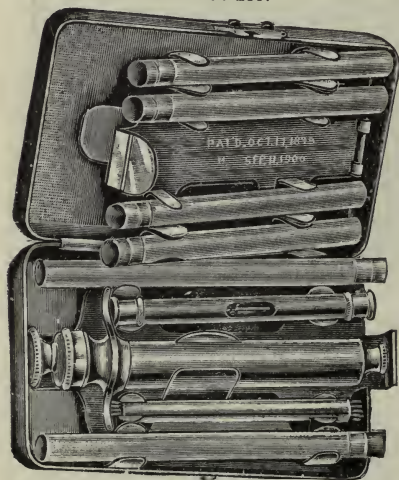
Hypodermic Syringes



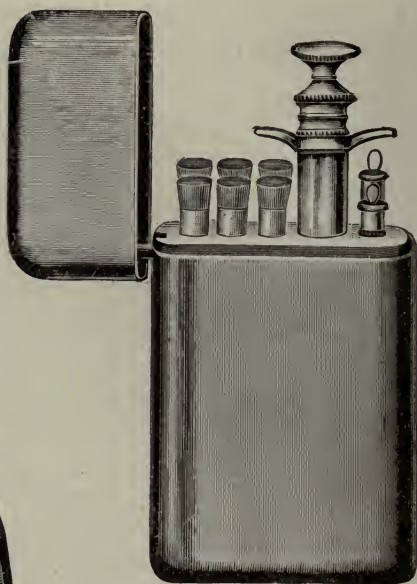
A-2867



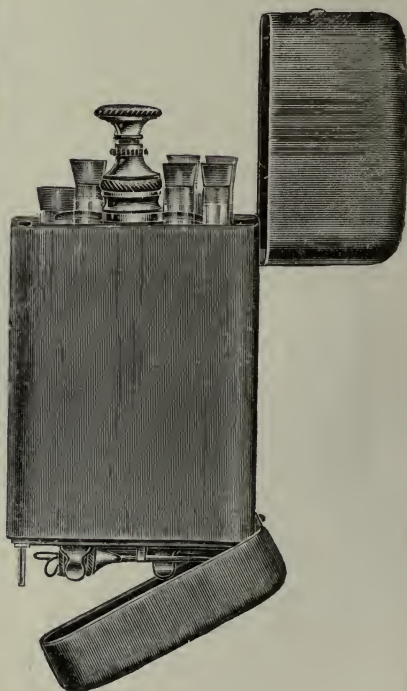
A-2857



A-2895



A-2905



A-2925

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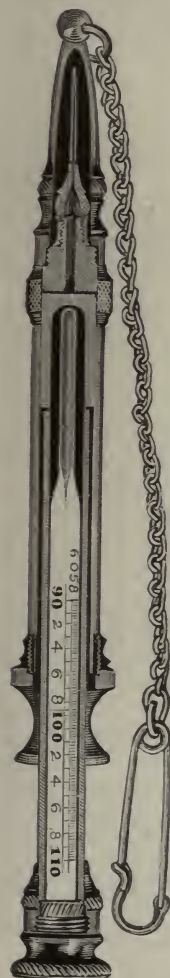
Hypodermic Syringes



A-2865

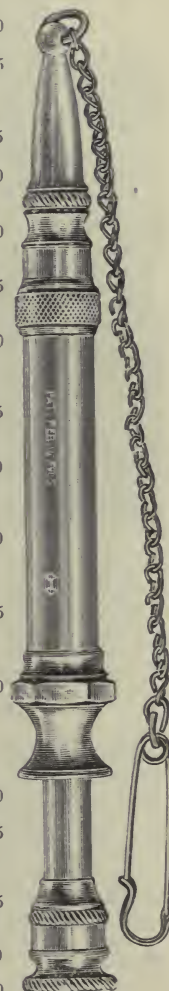


A-2870



A-2955

- | | | |
|---------|--|--------|
| *A-2855 | Hypodermic Syringe, containing syringe A-2750, 2 needles, 4 vials, tan case.. | \$1 50 |
| A-2857 | Hypodermic Syringe, containing syringe A-2760, 2 needles, 4 vials, tan case.. | 1 75 |
| A-2860 | Hypodermic Syringe, containing syringe A-2750, 2 needles, 4 vials, folding hypodermic spoon, in flexible Morocco case | 1 75 |
| A-2865 | Hypodermic Syringe, containing syringe A-2760, otherwise same as A-2860... | 2 00 |
| A-2867 | Hypodermic Syringe, containing syringe A-2750, 2 needles, 2 vials, in round cornered maroon leather case..... | 1 00 |
| A-2870 | Hypodermic Syringe, containing syringe A-2750, 12 needles, 4 vials, in fine Morocco case | 1 75 |
| A-2895 | Hypodermic Syringe, containing syringe A-2760, 2 needles, 6 vials, wire tube, in new patent aseptic nickel case.... | 2 50 |
| *A-2900 | Hypodermic Syringe, containing syringe A-2750, 2 needles, 6 vials, in aluminum case, satin finish (same style case as A-2905) | 1 75 |
| A-2905 | Hypodermic Syringe, containing syringe A-2760, 2 needles, 6 vials, in aluminum case, satin finish..... | 2 00 |
| *A-2908 | Hypodermic Syringe, containing syringe A-2750, 2 needles, 4 vials, in aluminum case, satin finish (same style case as A-2905) | 1 50 |
| *A-2910 | Hypodermic Syringe, containing syringe A-2760, 2 needles, 4 vials, in aluminum case, satin finish (same style case as A-2905) | 1 75 |
| A-2925 | Hypodermic Syringe, "The Ideal," containing syringe A-2760, 2 needles in separate compartments, 6 vials, in aluminum case, satin finish | 2 50 |
| A-2955 | Hypodermic Syringe, "Haslam & Co's," all metal, with hollow metal piston, holding a clinical thermometer with magnifying index, with chain and pin. Compact and convenient for carrying in the vest pocket | 2.00 |
| *A-2956 | Hypodermic Syringe Thermometer, 1 minute, for above | 75 |
| *A-2961 | Hypodermic Syringe, vest pocket, all metal, with hollow piston containing 2 needles and covered with screw cap | 1 25 |
| *A-2962 | Hypodermic Syringe, Littauer's, for mercurial injections, with 2 needles, in paper box | 2 00 |
| *A-3402 | Tuberculin Drill, Pirquet's, with platinum blade | 3 00 |



A-2955

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Hypodermic Outfits

ASEPTIC
THE SUB-Q All-Glass
 Syringes
TRADE MARK

All-Glass with McElroy's mineral packing. Made of special glass, properly annealed to withstand sterilization.

Packing is smooth, firm and elastic; does not shred or fill up the needle like ordinary asbestos. Graduations are exact. Made with Screw or "Slip-on" Needles.

Syringes having a similar appearance are sometimes offered in place of the Sub-Q but seldom to the satisfaction of the user.

Sub-Q Syringes put up in card-board boxes with two needles:

A-2968	Sub-Q Syringe, No. 1000, 25 minim.....	\$1 00
A-2968A	Sub-Q Syringe, No. 1001, 30 minim.....	1 00

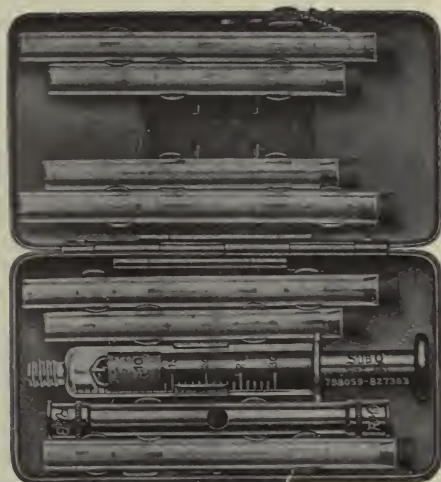
SAFETY
 ASEPTIC
THE SUB-Q All-Glass
 Syringes
TRADE MARK

A higher development of the SUB-Q embodying patented "Safety" feature, reducing to a minimum all danger of breakage.

The Black Glass Piston (patented) emphasizes the graduations, by contrast, and makes possible precise dosage.

Put up in a variety of cases and in all sizes.

	Each	
A-2969	Safety Sub-Q Syringe, No. 2001, 30 minim, leatherette case	\$1 25
A-2969A	Safety Sub-Q Syringe, No. 2271, 30 minim, nickel case, oval	1 50
A-2969B	Safety Sub-Q Syringe, No. 2221, 30 minim., aluminum case, hinged, (7-vial frame) see cut.....	2 50
A-2969C	Safety Sub-Q Syringe, No. 2231, 30 minim, nickel-plated case, hinged, (7-vial frame) see cut.....	2 50
A-2969D	Safety Sub-Q Syringe, No. 2002, 60 minim, leatherette case	1 50
A-2969E	Safety Sub-Q Syringe, No. 2132, 60 minim, leather case	2 75



A-2969C

Sub-Q's graduated in Cc at same price.

Sub-Q's graduated in Cc at same price.			Each
A-2971	Sub-Q	Syringe, No. 2003, 6 cc., leatherette case	\$1 75
A-2971A	Sub-Q	Syringe, No. 2233, 6 cc., aseptic nickel case	2 50
A-2971B	Sub-Q	Syringe, No. 2005, 12 cc., leatherette case	2 00
A-2971C	Sub-Q	Syringe, No. 2235, 12 cc., aseptic nickel case	3 00
A-2971D	Sub-Q	Syringe, No. 2006, 30 cc., leatherette case	2 50
A-2971E	Sub-Q	Syringe, No. 2009, 35 cc., leatherette case	3 50
A-2971F	Sub-Q	Syringe, No. 2012, 50 cc., leatherette case	5 00
A-2971G	Sub-Q	Syringe, No. 2015, 100 cc., leatherette case	7 50
	Sub-Q	Needles, made in all sizes from 27 (fine) to 13 (coarse) Gauge.	

Sub-Q Needles, made in all sizes from 27 (fine) to 13 (coarse) Gauge.

ARMORED SAFETY SUB-Q SYRINGE.

A metal frame protects the cylinder, reducing the chances of breakage. Where a syringe is exposed to severe usage, this Sub-Q will be found most serviceable.

A-2972	Sub-Q Syringe, No. 3001 A, 30 minim, with finger bars, in leatherette case, and 2 needles	\$1 75
--------	---	--------

TUBERCULIN SUB-Q SYRINGE.

Made from heavy annealed glass; piston is wrapped with McElroy's mineral packing. Accuracy being of prime importance, the exact capacity of each instrument is verified; graduations on the scale show divisions of one hundredth of a Cc. It is especially adapted for all work where accuracy is important and where a syringe having a capacity of .1 cc or less is desired.

		Each
A-2973	Sub-Q Syringe, Tuberculin, No. 2020, ½ cc, leatherette case with 2 needles	\$1 50
A-2973A	Sub-Q Syringe, Tuberculin, No. 2021, 1 cc, leatherette case with 2 needles	1 50
A-2973B	Sub-Q Syringe, Tuberculin, No. 2521, 1 cc, morocco case with 2 needles..	2 50

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The "Refo" Precision Syringes

An Improved Model of the "Record" Syringe

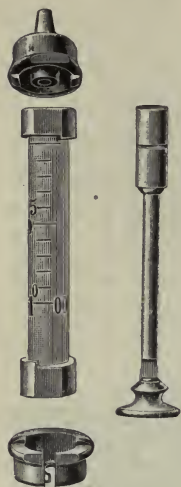


Fig. A.

The "Refo" Syringe, Fig. A, differs from the "Record" in that the "Refo" Syringe has two removable caps instead of one, and the barrel two metal mounts instead of one, the caps, mounts and barrels being so accurately ground to measurement, and so scientifically correct, that each style of syringe is absolutely standard, and all parts are interchangeable. The advantage of this construction is an economy of both time and money. The quantity measurement of the syringe barrel being the only information your dealer requires to replace any part of the syringe accidentally lost or broken. The barrels are furnished complete with metal mounts.

The syringe is made of metal and glass only. The metal mounts are soldered to the barrel with a metal alloy, thus forming an inseparable whole. It is made in four parts. The barrel, the piston or plunger, and two metal caps accurately ground and fitted to the metal mounts of the barrel, and held in place by the "Refo" improved lock.

All mounts and caps are made perfectly smooth with no screws of any character and are easily cleaned. The lumen of the barrel is ground to form a perfect cylinder, and is accurately graduated. The piston or plunger is made of nickel, ground to fit the barrel so accurately, that a smooth working, hermetically fitting combination is the result. No lubricant is required for the perfect working of the syringe. The needles furnished with these syringes are of the very best quality and construction.

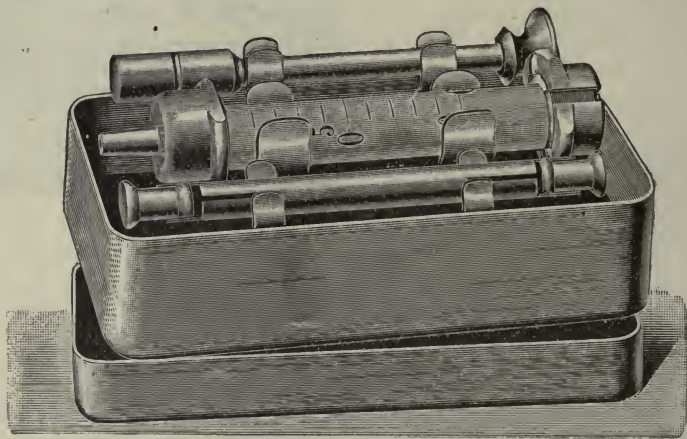


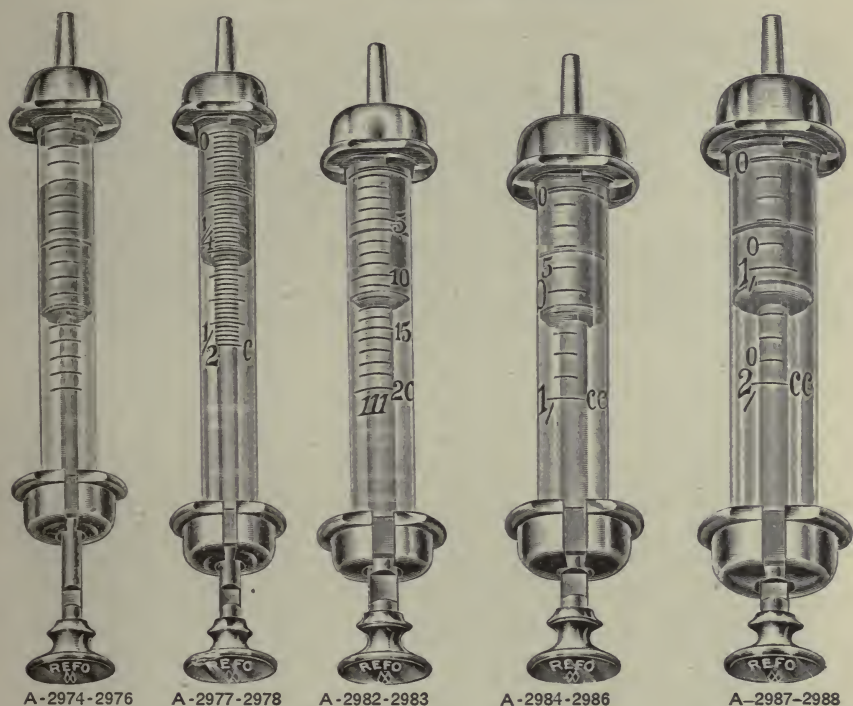
Fig. B.

The metal case, Fig. B, is the style of case furnished with all our "Refo" Syringes. It is provided with a movable tray provided with spring clips for the reception of the barrel, the plunger and two needles as shown. The barrel and plunger are placed in the case separately to minimize the danger of barrel breakage, and to act as a constant reminder that asepsis is the absolute essential for perfect results from the use of the syringe.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

"Refo" Precision Syringes



"REFO" PRECISION SYRINGES.

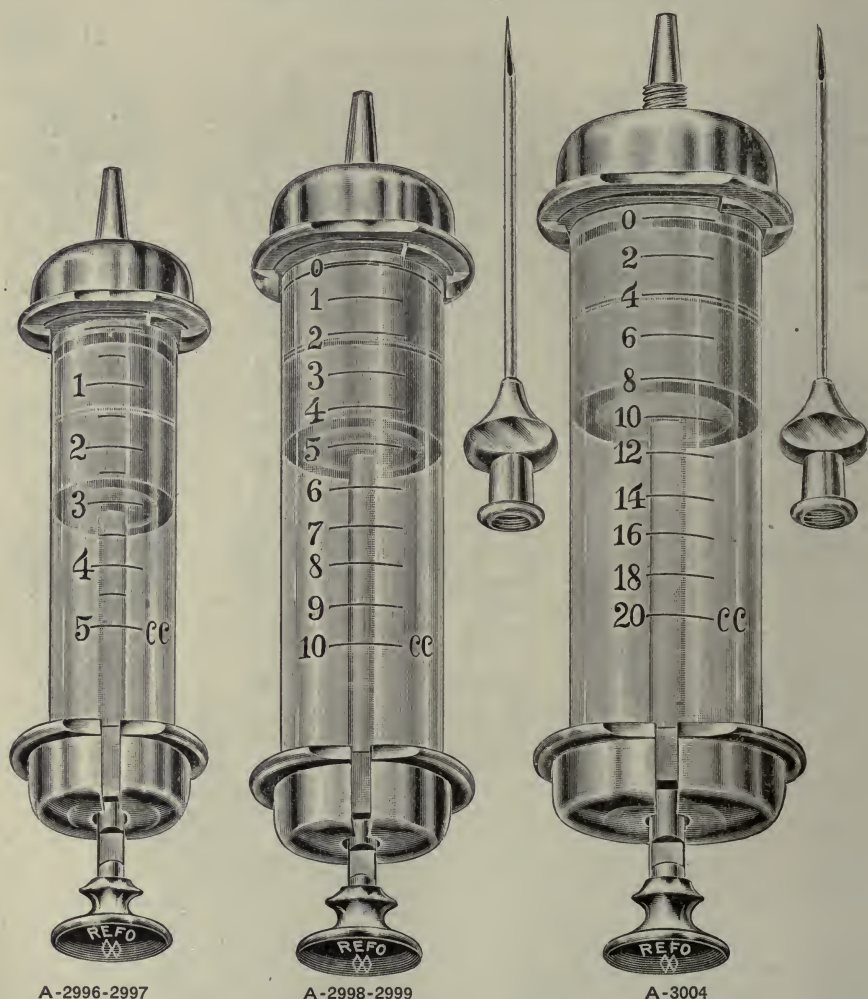
An Improved Model of the "Record" Syringe.

A-2974	"Refo" Syringe, Barthelemy's, $\frac{1}{4}$ cc, divided into 15 parts for mercurial oil injections, with one platinum iridium needle, in metal case.....	\$5 25
A-2976	"Refo" Syringe, Barthelemy's, without needle or case.....	2 75
A-2977	"Refo" Syringe, Tuberculin, $\frac{1}{2}$ cc., graduated in small divisions, with 2 steel needles, in metal case.....	4 00
A-2978	"Refo" Syringe, Tuberculin, $\frac{1}{2}$ cc., without needles or case.....	3 00
*A-2979	"Refo" Syringe, Tuberculin, 1 cc., with 2 steel needles, in metal case....	4 00
*A-2981	"Refo" Syringe, Tuberculin, 1 cc., without needles or case.....	3 00
A-2982	"Refo" Syringe, 20 minim, with 2 steel needles, in metal case.....	3 25
A-2983	"Refo" Syringe, 20 minim, without needles or case.....	2 50
A-2984	"Refo" Syringe, Hypodermic, 1 cc., with 2 steel needles, in metal case....	3 25
A-2986	"Refo" Syringe, Hypodermic, 1 cc., without needles or case.....	2 50
A-2987	"Refo" Syringe, Hypodermic, 2 cc., with 2 steel needles, in metal case....	4 00
A-2988	"Refo" Syringe, Hypodermic, 2 cc., without needles or case.....	3 00
Extra "Refo" Barrels, complete with metal mounts.		
*A-2989	"Refo" Syringe Barrel, Barthelemy's	1 25
*A-2991	"Refo" Syringe Barrel, Tuberculin, $\frac{1}{2}$ cc.	1 50
*A-2992	"Refo" Syringe Barrel, Tuberculin, 1 cc.	1 50
*A-2993	"Refo" Syringe Barrel, Hypodermic, 1 cc.	1 25
*A-2994	"Refo" Syringe Barrel, Hypodermic, 2 cc.	1 50

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"Refo" Precision Syringes



"REFO" PRECISION SYRINGES.

An Improved Model of the "Record" Syringe.

A-2996	"Refo" Syringe, 5 cc., with 2 steel needles and in metal case.....	\$5 50
A-2997	"Refo" Syringe, 5 cc., without needles or case.....	4 25
A-2998	"Refo" Syringe, 10 cc., with 2 steel needles and in metal case.....	6 50
A-2999	"Refo" Syringe, 10 cc., without needles or case.....	5 00
*A-3001	"Refo" Syringe, 20 cc., with two steel needles and in metal case.....	8 00
*A-3002	"Refo" Syringe, 20 cc., without needles or case.....	5 75
*A-3003	"Refo" Syringe, "Ehrlich-Hata," used for the injection of Ehrlich's Salvarsan "606," capacity 10 cc., with steel needles, in metal case.....	8 25
A-3004	"Refo" Syringe, "Ehrlich-Hata," capacity 20 cc., with steel needles, in metal case.....	11 25
*A-3006	"Refo" Syringe Needle, heavy platinum iridium, "Ehrlich-Hata," extra... Extra "Refo" Syringe Barrels, complete with metal mounts.	5 25
*A-3007	"Refo" Syringe Barrel, 5 cc.....	2 00
*A-3008	"Refo" Syringe Barrel, 10 cc.....	2 25
*A-3009	"Refo" Syringe Barrel, 20 cc.....	2 75

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"Refo" Precision Syringes



A-3012

"REFO" PRECISION SYRINGES.

A-3012 "Refo" Syringe Set, containing one each 1 cc., 2 cc., 5 cc., 10 cc., 20 cc., syringe, with 20 assorted "Refo" needles, in fine metal case.....\$25 00
This complete set has been made up for and will be found especially useful in the office, laboratory and hospital.

A-3013 NEEDLES FOR "REFO" SYRINGES.

For 1 and 2 cc. Syringes	No.	1	2	12	14	15	16	17	18	19	20	
B. & S. Gauge.....		19	20	20	21	22	22	23	24	25	26	Per Dozen
Length of Canula.....		1½	1¼	1¼	1⅞	1½	⅞	⅞	⅞	¾	¾ in.	\$2.25
For 5, 10 and 20 cc. Syringes	No.	1	2							3	4	
B. & S Gauge.....		16	17	Per Dozen						19	20	Per Dozen
Length of Canula.....		2	2	\$3.50						1½	2 in.	\$2.75

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Salvarsan Outfits

A-3014 THE THESSICO SALVARSAN SYRINGE AND OUTFIT NO 1

For Intramuscular and Subcutaneous Injection of Salvarsan
(Ehrlich's 606)

Authorized and Endorsed by the American Agent
VICTOR KOECHL & CO.

- consisting of
- 1 Thessico Salvarsan Syringe, 10 cc.
 - 2 Thessico Salvarsan Needles for use of Suspension fluid.
 - 2 Thessico Salvarsan Needles for use of Solution fluid.
 - 1 Dropping Bottle, containing Caustic Soda Solution (R.p. Purified Sodium Hydroxide....1.5 gr. Distilled Water 8.5 cc.
 - 1 Dropping Bottle, containing diluted Hydrochloric Acid.
 - 1 Mortar with pestle.
 - 1 Graduated mixing tube, glass stopper, 25 cc.
 - 1 Graduated pipette, 2 cc. with bulb.
 - 1 Bottle Red Litmus papers.
 - 1 Bottle Blue Litmus papers.



Ensembled in polished wooden case with space for bottle of Salvarsan.

Price complete \$12 00 net each

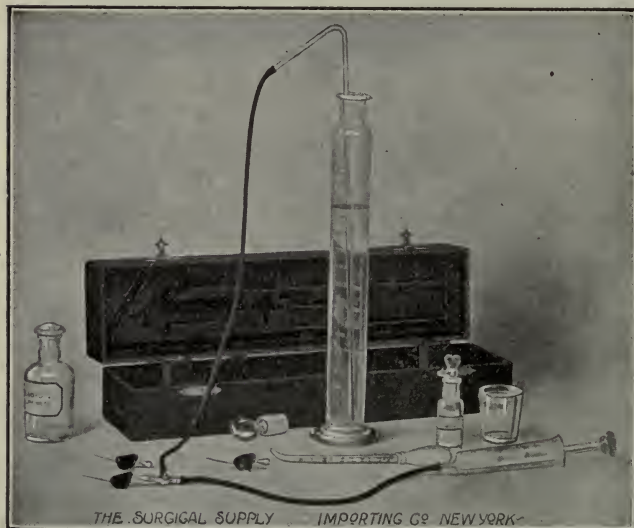
Same ensembled in Copper Sterilizer..... 18 00 net each

A-3016 THE THESSICO SALVARSAN SYRINGE AND OUTFIT NO 2

For Intravenous Injection of Salvarsan
(Ehrlich's 606)

Authorized and endorsed by the American Agent
VICTOR KOECHL & CO.

consisting of



- 1 Thessico Salvarsan Syringe, 20 cc.
- 3 Thessico Modified Schreiber Needles.
- 1 Three Way Stopcock
- 1 Graduated Mixing Tube, glass stopper, 300 cc.
- 30 Glass Beads.
- 1 Glass Syphon with rubber tubing.
- 1 Bottle Sodium Chloride.
- 1 Dropping Bottle containing Sodium Hydrate Solution 15%.
- 1 Pipette graduated in minims.
- 1 Rubber Tubing ten-inch with two metal connections.

Ensembled in polished wooden case with space for Bottle of Salvarsan.

Price complete \$17 00 net ea

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Salvarsan Outfits

A-3017 THE THESSICO SALVARSAN SYRINGE AND OUTFIT NO. 3. for intramuscular and Subcutaneous Injections of Salvarsan (Ehrlich's 606)

Authorized and endorsed by the American Agent
VICTOR KOEHL & CO.

consisting of

- 1 Thessico Salvarsan Syringe, 10 cc.
- 2 Thessico Salvarsan Needles for use of suspension fluid.
- 2 Thessico Salvarsan Needles for use of solution fluid.
- 1 Dropping Bottle containing Caustic Soda solution (Rp. Purified Sodium Hydroxide, 1.5 gramme. Distilled Water, 8.5 cc.
- 1 Dropping Bottle containing diluted Hydrochloric Acid.
- 1 Mortar with pestle.
- 1 Graduated Mixing Tube, glass stopper, 25 cc.
- 1 Graduated Pipette, 2 cc. with bulb.
- 1 Bottle Red Litmus papers.
- 1 Bottle Blue Litmus papers.
- Price Complete in Copper Sterilizer.....\$18 00 net ea



A-3017

A-3018 THE THESSICO SALVARSAN SET NO 7.

For Intravenous and Intramuscular Injections.

The outfit consists of an all-glass syringe, 20 cc. capacity, 1 stopcock, 2 needles with rubber tubing complete in case. Price, net \$12 00



A-3018

A-3019 THE THESSICO SALVARSAN SYRINGE NO. 5.

This syringe is for use in intramuscular injections and consists of an all-glass syringe, 10 cc. capacity, 2 stopcocks and 2 injecting needles, put up in morocco covered case.

Price, net..... \$6 00

A-3021 The Thessico Salvarsan Syringe No. 6, same as above, but with platinum iridium needles 30% net \$9 00



A-3019

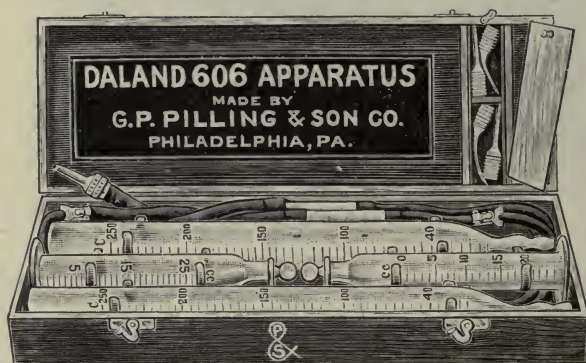
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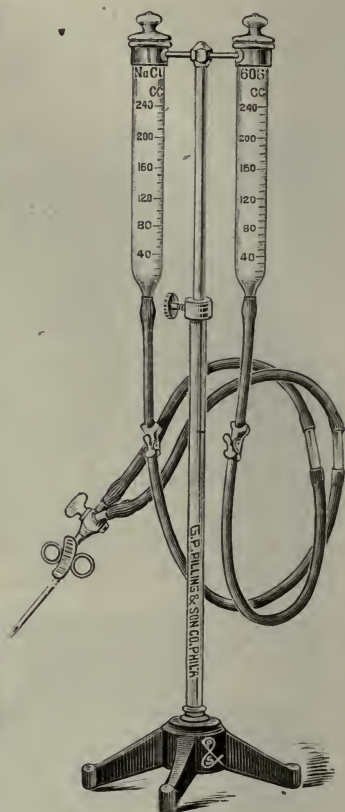
Salvarsan "606" Outfits



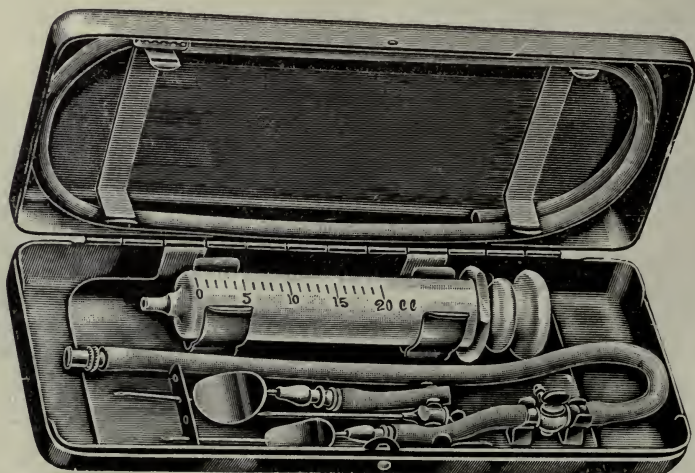
A-3023



A-3024



A-3022

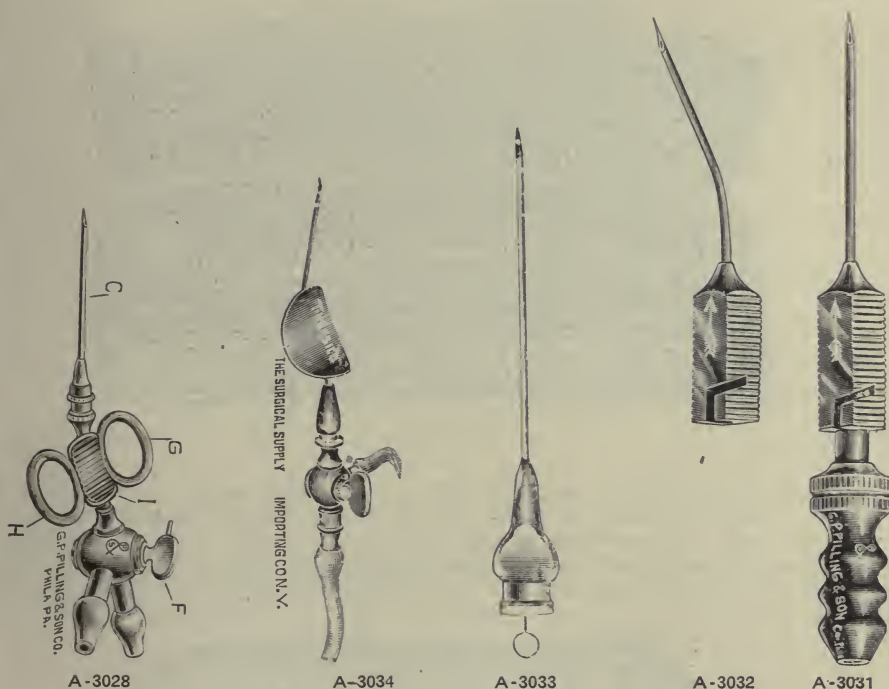


A-3026-3027

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Salvarsan "606" Outfits



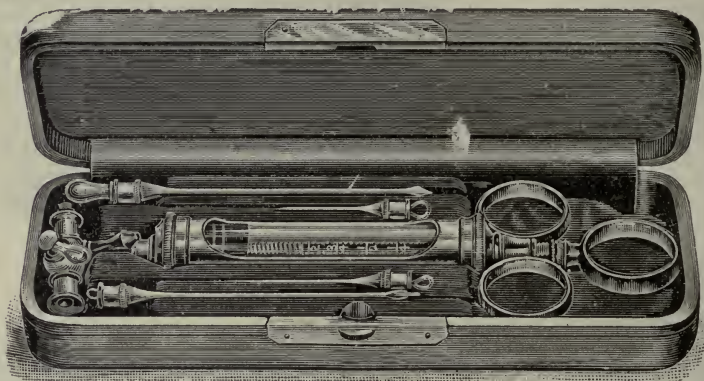
APPARATUS, SYRINGES AND NEEDLES.

A-3022	Boehm's Apparatus for Intravenous Injection of Salvarsan or 606, consisting of two glass cylinders, stand, rubber tubing, stopcock and two needles	\$16 50
A-3023	Daland's Apparatus, Single, for Intravenous Injection of Salvarsan or 606, complete in oak case	7 50
A-3024	Daland's Apparatus, Double, for Intravenous Injection of Salvarsan or 606, complete in oak case	12 50
A-3026	Luer's Syringe, No. 320, L. S. complete with short needles.....	13 50
A-3027	Luer's Syringe, No. 320, L. S. complete with platinum-iridium needles.....	22 50
A-3023	Boehm's Stop Cock, with two needles	5 00
*A-3029	Boehm's Stop Cock, without needles	3 50
A-3031	Daland's Needle, straight, with fitting	2 00
A-3032	Daland's Needle, curved, with fitting	2 00
A-3033	Thessico Needle, intramuscular, steel, 50; platinum-iridium (30%) 1¾ inch, 18 gauge	3 50
A-3034	Thessico Needle, modified Schreiber, stopcock and needle for intravenous injections	2 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

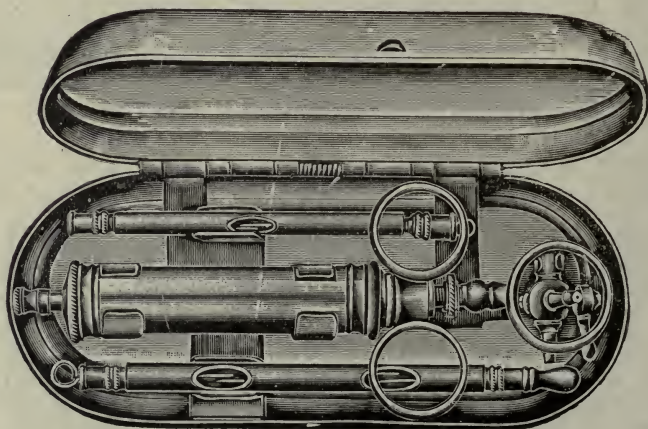
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Aspirating Syringes



A-3010

- A-3010 Aspirating Syringe, with expanding leather plunger, capacity 2 drachms, stopcock, trocar and canula, 3 assorted size needles, in handsome mahoon case with round corners..... \$2 50
- *A-3010A Aspirating Syringe, same as A-3010, in plain case..... 2 00
- *A-3015 Aspirating Syringe, same as A-3010, but with metal nickel plated case.... 3 00



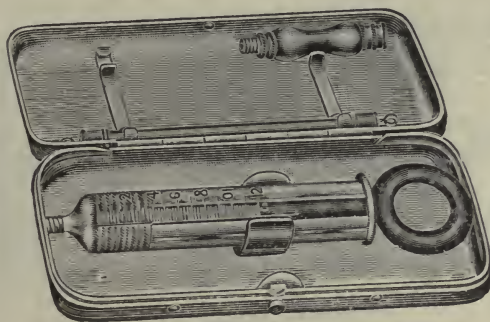
A-3020

- A-3020 Aspirating Syringe, capacity 2 drachms, all metal, with metal expanding plunger, aspirating stopcock, 1 aspirating trocar, 1 small hypodermic needle, 1 anti-toxin needle, 1 medium aspirating needle, complete in metal nickel plated case. Can be rendered sterile by boiling..... 3 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Antitoxine and Haemorrhoidal Syringes



A-3037. THE SAFETY SUB-Q ANTITOXINE SYRINGE.

An all-glass syringe, with McElroy's mineral packing. Equipped with two heavy 21-gauge R. & B. needles, 1½ inches long, with flexible coupler, nickel case.

*A-3036	Safety Sub-Q Antitoxine Syringe, 6 cc.....	\$2 50
A-3037	Safety Sub-Q Antitoxine Syringe, 12 cc.....	3 00

Haslam's Antitoxine Syringes.

*A-3451	Syringe, 5 cc., rubber piston, glass barrel, metal case.....	2 75
*A-3452	Syringe, 10 cc., rubber piston, glass barrel, metal case.....	3 00
*A-3453	Syringe, 5 cc., all metal, metal case.....	3 00
*A-3454	Syringe, 10 cc., all metal, metal case.....	3 50
*A-3450	Syringe, Hubner's	2 75

HAEMORRHOIDAL SYRINGE.



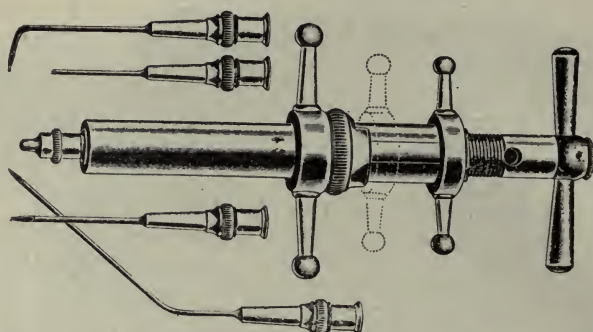
A-3005

A-3005 Haemorrhoidal Syringe, consisting of solid metal barrel syringe with cap, one pure silver probe-pointed canula, one hypodermic needle, one long needle for injecting haemorrhoids, point of which is gold, having screw-set guard, in case..... \$3 00

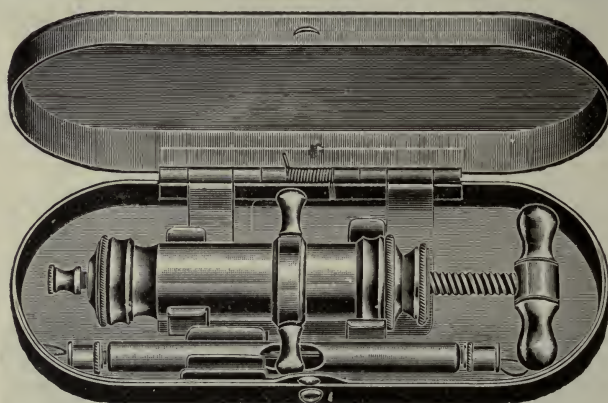
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Emulsion & Paraffine Syringes

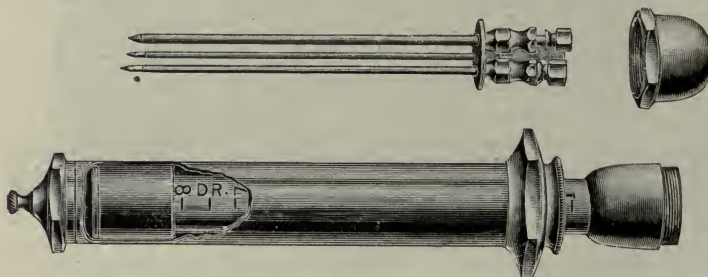


A-3030 Beck-Mueller Paraffine Syringe, for the injection of cold paraffine; latest design\$12 00



A-3025

A-3025 Smith's Paraffine Syringe, for the subcutaneous injection of paraffine. Barrel of heavy metal, having heavy finger guards attached, powerful screw piston rod, with metal packing, 2 needles put up in neat metal nickel plated case..... \$5 00



A-3035

A-3035 Ferguson's Emulsion Syringe, for the injection of tubercular joints with an emulsion of iodoform and glycerine; capacity 30 cc.; made entirely of metal, with metal expanding plunger, hollow metal piston rod with screw cap, holding 3 sizes of injecting trocars. This syringe is without doubt the best and most powerful made, is very simple, easily filled, and can be rendered sterile by boiling. Complete, in morocco case..... 5 00
A-3040 Ferguson's Emulsion Syringe, 15 cc. capacity 4 50

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Hypodermic Sundries



HYPODERMIC SUNDRIES.

A-3045	Hypodermic Vial Case, metal, nickel plated, containing 12 vials.....	\$1 00
A-3050	Hypodermic Needle Case, Tagliabue's, made of aluminum with rack and sliding cover. Complete with 6 hypodermic needles.....	65
A-3055	Hypodermic Needle Case, Tagliabue's, made of aluminum with rack and sliding cover. Complete with 12 hypodermic needles.....	1 00
A-3060	Hypodermic Needle Case, Haslam's, made of aluminum, separate compartment for each needle, with slides at top and bottom. Complete with 12 hypodermic needles.....	1 00
A-3065	Hypodermic Folding Spoon, Moore's, designed by Maj. Moore for army use in the field. Is handy and compact, a single match being sufficient to dissolve the tablet and heat the water.....	60
A-3066	Hypodermic Folding Spoon, Lindridge's, for sterilizing needle and dissolving the tablet.....	75

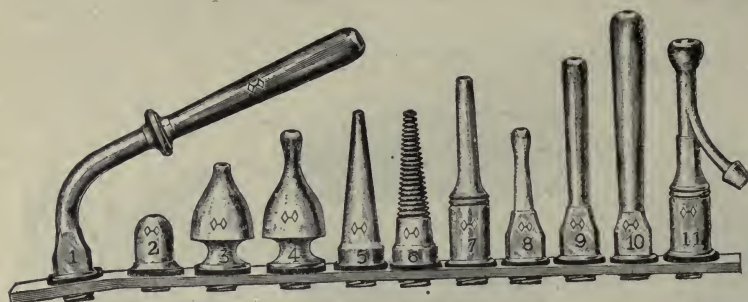
HYPODERMIC SYRINGE REPAIRS.

*A-3070	Glass Barrels, regular size.....	\$0 10
*A-3075	Glass Barrels, regular size, with plunger.....	20
*A-3080	Glass Barrels, anti-toxin, 5 cc.....	15
*A-3085	Glass Barrels, anti-toxin, 10 cc.....	20
*A-3090	Glass Barrels, aspirating syringe.....	15
*A-3095	Glass Barrels, aspirating syringe, with plunger.....	30
*A-3100	Leather Packings, formed in oil, regular size.....	10
*A-3105	Leather Needle Washers, per dozen.....	05
*A-3110	Leather Barrel Washers, regular size, per dozen.....	05
*A-3115	Leather Barrel Washers, aspirating syringe, per dozen.....	10
*A-3120	Leather Barrel Washers, anti-toxin syringe, per dozen.....	10
*A-3125	Rubber Barrel Washers, aspirating syringe, per dozen.....	20

NOTE.—The prices quoted above are for the parts as mentioned only. Syringes sent in for repair will be charged also with the time necessary to make the proper repairs.

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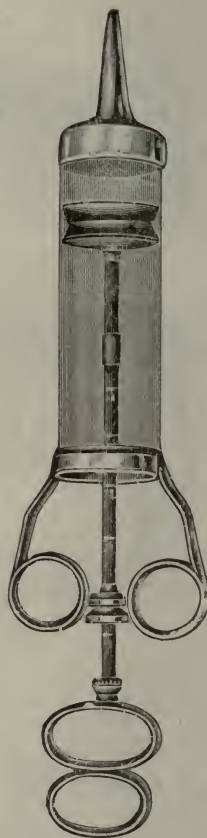
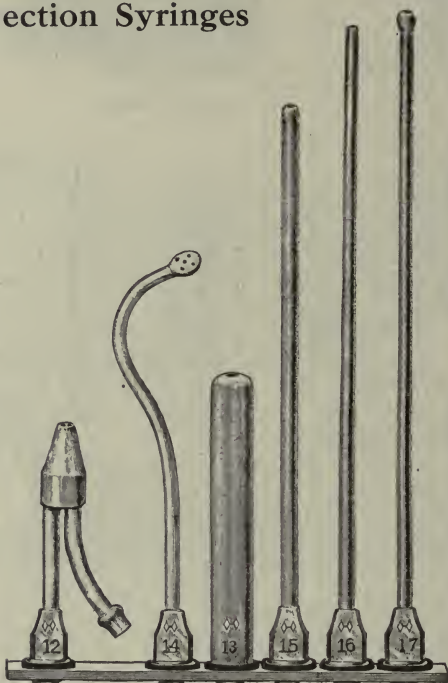
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Injection Syringes



A-3140



A-3135

A-3135	Valentine's Improved Aseptic Water Syringe	Capacity	60 cc.	75 cc.	100 cc.	120 cc.	150 cc.	200 cc.
		Price	\$6 50	\$7 00	\$8 00	\$8 50	\$9 00	\$10 00
A-3140	Haslam's Perfection Syringe, made entirely of metal, with accurately ground, expanding metal plunger, finger rings, has universal thread to fit any style of standard syringe tip, made of brass, heavily nickel plated.	Capacity	1/4 oz.	1/2 oz.	1 oz.	2 oz.	3 oz.	4 oz.
		Price	\$2 00	\$2 25	\$2 50	\$3 00	\$3 50	\$4 00
*A-3141	Haslam Metal Syringes, same capacities as A-3140, with leather pistons.	Capacity	1/4 oz.	1/2 oz.	1 oz.	2 oz.	3 oz.	4 oz.
		Price	\$1 75	\$2 00	\$2 25	\$2 75	\$3 25	\$3 75
A-3145	Adjustable Tip, for rubber tubing		\$0 25					
A-3150	Tip No. 1. Bent rectal...		50					
A-3155	Tip No. 2. Penis, small...		25					
A-3160	Tip No. 3. Ear or Penis...		25					
A-3165	Tip No. 4. Kramer's, Ear...		25					
A-3170	Tip No. 6. Wound, tapering		25					
A-3175	Tip No. 6. Catheter		25					
A-3180	Tip No. 7. Pomeroy's Ear		25					
A-3185	Tip No. 8. Rectal, small...		25					
A-3190	Tip No. 9. Rectal, children's		25					
A-3195	Tip No. 10. Rectal, adults...		35					
A-3200	Tip No. 11. McCulley's, Ear Douche						50	
A-3205	Tip No. 12. Kiefer's, Urethral						50	
A-3210	Tip No. 13. Rectal, extra large						35	
A-3215	Tip No. 14. Bosworth's Post Nasal						50	
A-3220	Tip No. 15. Throat, flexible						50	
A-3225	Tip No. 16. Uterine, plain...						50	
A-3230	Tip No. 17. Uterine, probe point						50	
A-3231	Complete set of tips as shown, on one metal rack...						5 50	

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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The MATCHLESS

(TRADE-MARK)

All-Metal Syringe



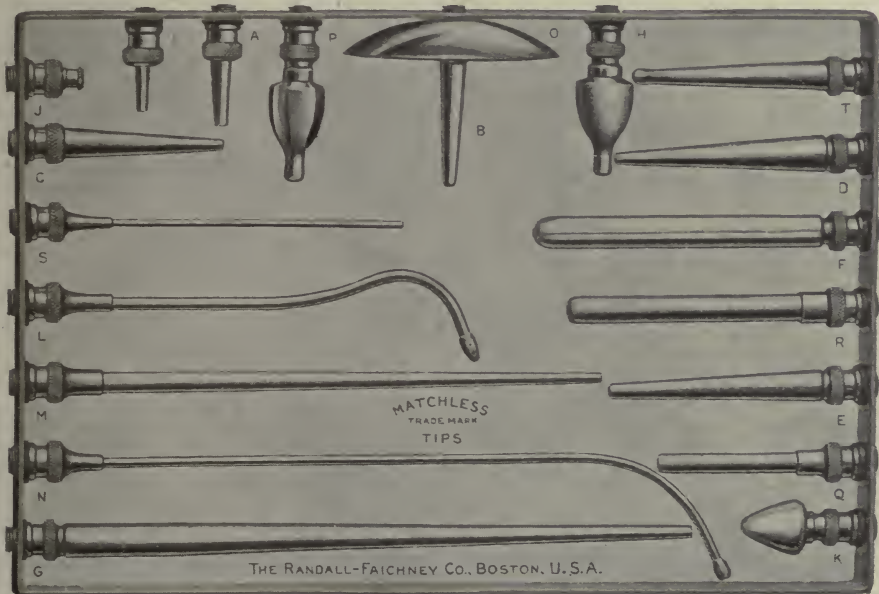
An all-metal cylinder fitted with non-binding, non-corroding, non-leaking metal plunger, made in many sizes with a variety of tips, limited only by the number of uses to which they are put. **Absolute satisfaction guaranteed.**

PRICE LIST OF MATCHLESS SYRINGES.

A-3146	Matchless Syringe,	$\frac{1}{4}$ ounce.....	each	\$2 00
A-3147	Matchless Syringe,	$\frac{1}{2}$ ounce.....	each	2 25
A-3148	Matchless Syringe,	1 ounce.....	each	2 50
A-3149	Matchless Syringe,	2 ounces.....	each	3 00
A-3151	Matchless Syringe,	3 ounces.....	each	3 50
A-3152	Matchless Syringe,	4 ounces.....	each	4 00
A-3153	Matchless Syringe,	6 ounces.....	each	5 00
A-3154	Matchless Syringe,	8 ounces.....	each	5 50

Any two of the following tips are included, A, B, C, D, E, H, I, J, K, O, Q, R, S, T; or any one of these, F, G, L, M, N, or P.

DESCRIPTION AND PRICE LIST OF MATCHLESS TIPS.



A	American Slip Adapter.....	\$0 25	K	Conical Urethral.....	\$0 25
B	$1\frac{1}{4}$ " Catheter Point.....	25	L	Posterior Nasal.....	75
C	$1\frac{1}{2}$ " Taper Ear.....	25	M	Intra-Uterine	50
D	2" Ultzmann Point.....	25	N	Intra-Tracheal	50
E	$2\frac{1}{4}$ " Taper Ear.....	25	O	Ear Shield	25
F	3" Rectal.....	50	P	Bulbous Ear, Return Flow.....	50
G	$6\frac{1}{2}$ " Veterinary.....	50	Q	Infants' Rectal	25
H	Bulbous Ear.....	25	R	Youths' Rectal	25
I	French Slip Adapter.....	25	S	Inner Ear Canula.....	25
J	Standard Thread Adapter.....	25	T	Olive Point Ear.....	25

Complete set, including Rack..... \$8 75

QUALITY GUARANTEED.—Specify section letter and number in ordering.

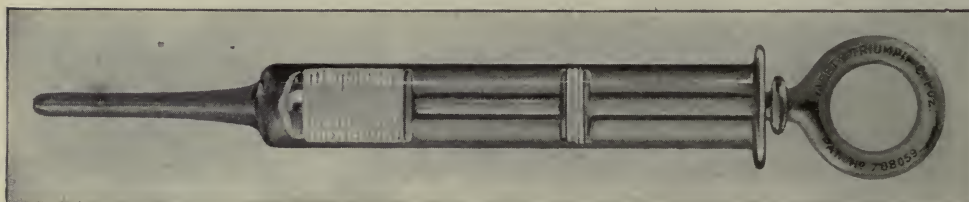
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

THE SAFETY-TRIUMPH

(Trade Mark)

Aseptic Glass Syringe

Safety-Triumph Syringes are made with Points in sufficient variety for all general practice, including the administering of Bismuth Paste.



All glass, with McElroy's Improved Mineral Packing, which can be easily sterilized without deterioration (1) in boiling water, (2) in alcohol flame, (3) in bichloride solution.

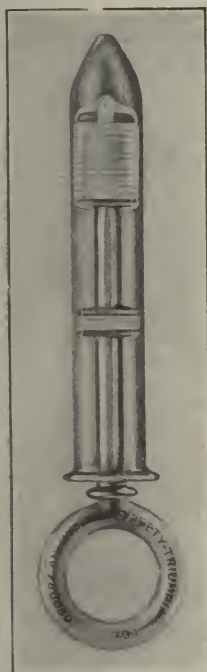
PRICE LIST OF SAFETY-TRIUMPH ASEPTIC SYRINGES.

A-3156	Rectal, $\frac{1}{2}$ oz., per doz.....	\$4 20
A-3157	Rectal, $\frac{3}{4}$ oz., per doz.....	5 00
A-3158	Rectal, 1 oz., per doz.....	6 00
A-3159	Rectal, $1\frac{1}{2}$ oz., per doz.....	9 00
A-3161	Rectal, 2 oz., per doz.....	15 00
A-3162	Rectal, 3 oz., per doz.....	18 00
A-3163	Rectal, 4 oz., per doz.....	21 00
A-3164	Catheter or Ulcer, $\frac{1}{2}$ oz., per doz.....	5 00
A-3166	Catheter or Ulcer, 1 oz., per doz.....	6 00
A-3167	Catheter or Ulcer, $1\frac{1}{2}$ oz., per doz.....	9 00
A-3168	Catheter or Ulcer, 2 oz., per doz.....	15 00
A-3169	Catheter or Ulcer, 3 oz., per doz.....	18 00
A-3171	Catheter or Ulcer, 4 oz., per doz.....	21 00
A-3172	Catheter or Ulcer, 6 oz., per doz.....	36 00
A-3173	Urethral (Convex cone points), 2 dr., per doz.....	3 00
A-3174	Urethral (Convex cone points), $2\frac{1}{2}$ dr., per doz.....	3 60
A-3176	Urethral (Convex cone points), $\frac{1}{2}$ oz., per doz.....	4 20
A-3177	Urethral (Convex cone points), $\frac{3}{4}$ oz., per doz.....	5 00
A-3178	Urethral (Convex cone points), 1 oz., per doz.....	6 00
A-3179	Urethral (Convex cone points), 2 oz., per doz.....	15 00
A-3181	Ear (Plain tip), $\frac{3}{4}$ oz., per doz.....	6 00
A-3182	Ear (Sprague tip), $\frac{3}{4}$ oz., per doz.....	6 00
A-3183	Nasal, $\frac{1}{2}$ oz., per doz.....	4 20
A-3184	Dr. Chetwood's Bladder Irrigating Syringe	
	4 oz. (with handles), per doz.....	30 00
	4 oz. (without handles), per doz.....	21 00
A-3186	Meyrowitz Ear Syringe	
	2 oz. (with handles), per doz.....	27 00
	2 oz. (without handles), per doz.....	18 00

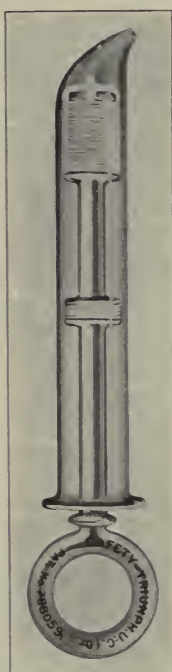
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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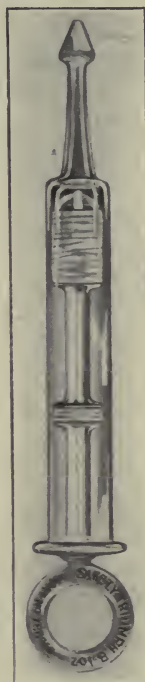
Glass Bismuth Paste Sinus Syringes



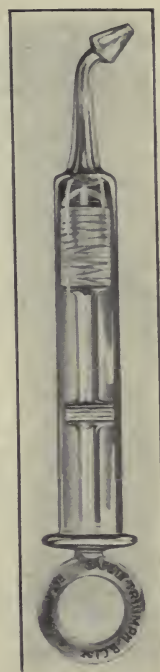
A-3187



A-3188



A-3189



A-3191

THE SAFETY-TRIUMPH ASEPTIC SYRINGE.

Trade Mark.

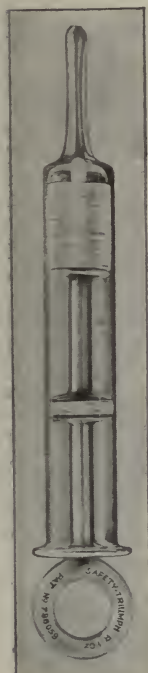
PRICE LIST—GLASS BISMUTH PASTE SYRINGES.

A-3187	Superficial Syringes, Straight Point	
1 oz., per doz.....	\$6 00	
2 oz., per doz.....	15 00	
3 oz., per doz.....	18 00	
4 oz., per doz.....	21 00	
A-3188	Superficial Syringes, Curved Point	
1 oz., per doz.....	9 00	
2 oz., per doz.....	18 00	
A-3189	Deep Sinus Syringes, Straight Bulbous Point	
1 oz., per doz.....	9 00	
2 oz., per doz.....	18 00	
A-3191	Deep Sinus Syringes, Curved Bulbous Point	
½ oz., (for tonsil work) per doz.....	8 00	
1 oz., per doz.....	9 00	
2 oz., per doz.....	18 00	
A-3192	Pleural Cavity Syringes, Straight Point	
½ oz., per doz.....	4 20	
1 oz., per doz.....	6 00	
1½ oz., per doz.....	9 00	
2 oz., per doz.....	15 00	
3 oz., per doz.....	18 00	
4 oz., per doz.....	21 00	
A-3193	Pleural Cavity Syringes, Curved Point	
1 oz., per doz.....	9 00	
2 oz., per doz.....	18 00	

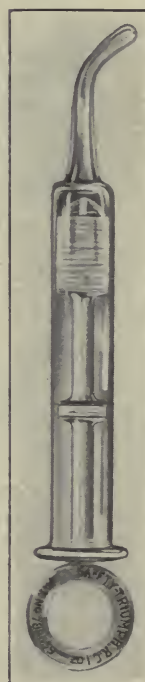
Always moisten packing before using.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items market net.

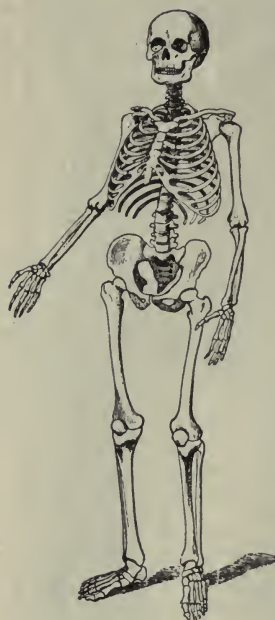


A-3192



A-3193

Osteological Preparations



A-3265



A-3300



A-3375

*A-3235	Skeleton, disarticulated, ordinary.....	\$27 00
*A-3240	Skeleton, disarticulated, selected.....	30 00
*A-3245	Skeleton, disarticulated, extra fine.....	35 00
*A-3250	Skeleton, German articulation, ordinary.....	35 00
*A-3255	Skeleton, German articulation, selected.....	37 50
*A-3260	Skeleton, German articulation, extra fine.....	45 00
A-3265	Skeleton, Tramond's, best French articulation, ordinary	40 00
A-3275	Skeleton, Tramond's, best French articulation, selected	45 00
A-3276	Skeleton, Tramond's, best French articulation, extra fine	60 00
*A-3280	Skeleton, Foetal, mounted on stand.....	10 00
*A-3285	Skull, disarticulated, in pasteboard box, or- dinary	13 50
*A-3290	Skull, disarticulated, in pasteboard box, se- lected	16 50
*A-3295	Skull, disarticulated, in pasteboard box, ex- tra fine	20 00
A-3300	Skull, plain, lower jaw articulated, ordinary..	12 00
A-3305	Skull, plain, lower jaw articulated, selected..	15 00
A-3310	Skull, plain, lower jaw articulated, extra fine.	20 00
*A-3315	Skull, 2 cut, articulated, fine.....	13 50
*A-3320	Skull, 5 cut, articulated, fine.....	18 00
*A-3325	Skull, 7 cut, articulated, fine.....	20 00
*A-3330	Skull, disarticulated, mounted according to Beauchene's method, all bones being united with polished metal strips. The bones may be disconnected and can be studied sepa- rately. Mounted on wood base, with glass dome cover	50 00
*A-3335	Skull, Foetal	4 00
*A-3340	Spinal column, articulated on cat gut.....	13 50
*A-3345	Pelvis, female, without ligaments.....	8 00
*A-3350	Pelvis, female, with ligaments.....	12 00
*A-3355	Arm and Hand, articulated.....	5 00
*A-3360	Hand, articulated with cat gut.....	3 00
*A-3365	Leg and Foot, articulated.....	5 00
*A-3370	Foot, articulated with cat gut.....	3 00
A-3375	Cross Bones (femurs), per pair.....	3 00
*A-3380	Temporal Bone, bisected through the mastoid etc.	8 00
*A-3385	Iron Stand, finished in aluminum bronze, ad- justable to any height, for suspending skel- eton	7 50

ANATOMICAL STAMPS.

We carry a full line of rubber stamps in stock, but space will not permit us to list them. A complete illustrated price list of these stamps will be mailed upon request.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Section "B"

Anaesthetic

Pocket Case

General Operating

Cautery

Osteotomy

Ligatures

Trepanning

Sutures

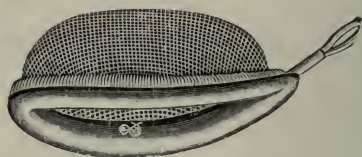
Bullet

Dressings, etc.

Anaesthetic



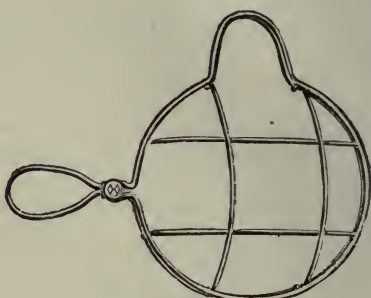
B-22



B-45



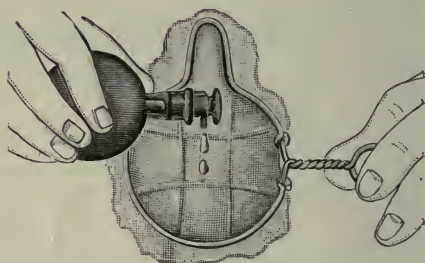
B-62



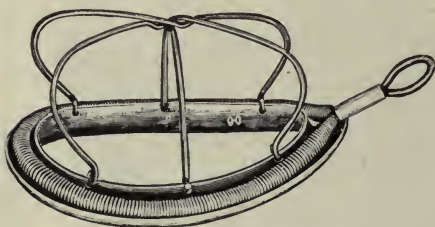
B-15



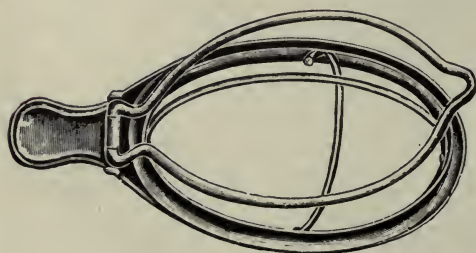
B-20



B-1



B-46



B-25

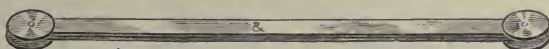
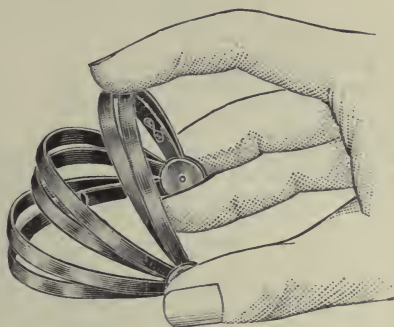


B-5

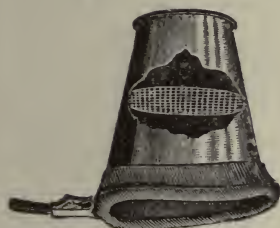
QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Anaesthetic



B-2



B-70



B-55

INHALERS AND MASKS.

Chloroform.

B-2	Bower's, folding mask.....	\$1 25
B-1	Clayton-Esmarch's, with drop bottle and cover.....	75
B-5	Esmarch's, with drop bottle and cover.....	75
*B-8	Esmarch's, folding mask with cover.....	2 00
*B-9	Gwathmey's, mask for vapor inhalation	2 50
B-15	Ochsner's, wire mask.....	1 00
B-20	Ochsner's folding,	1 50
B-22	Sander's, mask only	1 25
B-25	Schimmelbusch's, mask only	1 00
B-45	Yankauer's, mask only	1 75
B-46	Yankauer's, folding, mask only.....	1 50

Ether.

B-50	Allis', improved, metal, nickel plated.....	2 50
B-52	Allis', improved, aluminum.....	2 50
B-55	Allis', improved, metal, nickel plated, with soft rubber self-inflating facepiece	3 00
B-57	Allis', improved, aluminum, with soft rubber self-inflating facepiece.....	3 00
B-62	Sander's, mask only	1 25
B-65	Townsend's, all metal	1 50
B-70	Townsend's, all metal, with rubber facepiece.....	2 25
*B-72	Ether Inhaler Face Piece, self-inflatable, rubber, for Allis or Townsend inhalers	1 35

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Gebauer's Inhaler

for Ethyl Chloride by the Drop Method.

It is the only Inhaler by which the Ethyl Chloride is administered by the Drop Method, which is the safest and most economical method of giving Ethyl Chloride. It is simple in construction, having no complicated parts to become out of order. The facepiece is transparent and is easily kept aseptic. It is the only inhaler by which ether can be administered as a sequence to Ethyl Chloride and not remove or change the position of the facepiece.

B-95 Gebauer's Inhaler, for Ethyl Chloride by the drop method. \$5 00

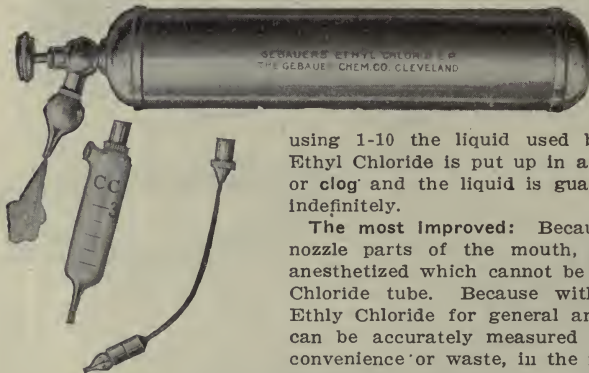
B-96 Gebauer's Ethyl Chloride, 100 cc. tube, enough for from, 15 to 20 short operations 1 60



B-95

LOCAL AND GENERAL ANESTHESIA ETHYL CHLORIDE (GEBAUER'S)

The most Improved and economical tube for the administration of Ethyl Chloride on the market.



B-97-101

The most economical: Because it sprays the liquid in the form of a vaporized stream, thereby hastening evaporation and consequent anesthesia,

using 1-10 the liquid used by other tubes. Because the Ethyl Chloride is put up in a metal tube that will not leak or clog and the liquid is guaranteed to maintain its purity indefinitely.

The most Improved: Because with the flexible spraying nozzle parts of the mouth, ear, nose and throat can be anesthetized which cannot be reached with any other Ethyl Chloride tube. Because with the graduated dropper the Ethyl Chloride for general anesthesia by the drop method, can be accurately measured and administered without inconvenience or waste, in the form of drops or a jet stream as desired. Sent anywhere upon receipt of price; safe delivery guaranteed.

B-97 Gebauer's Ethyl Chloride, 40 grm. tube with ordinary spraying nozzle..... \$1 00

B-98 Gebauer's Ethyl Chloride, 100 cc. tube with ordinary spraying nozzle..... 1 60

B-99 Gebauer's Flexible Spraying Nozzle alone 50

B-101 Gebauer's Graduated Dropper 50

The flexible nozzle and the graduated dropper will fit either size tube and can be used indefinitely.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Anaesthetic Apparatus

THE NEW CLARK-HURD GAS APPARATUS.

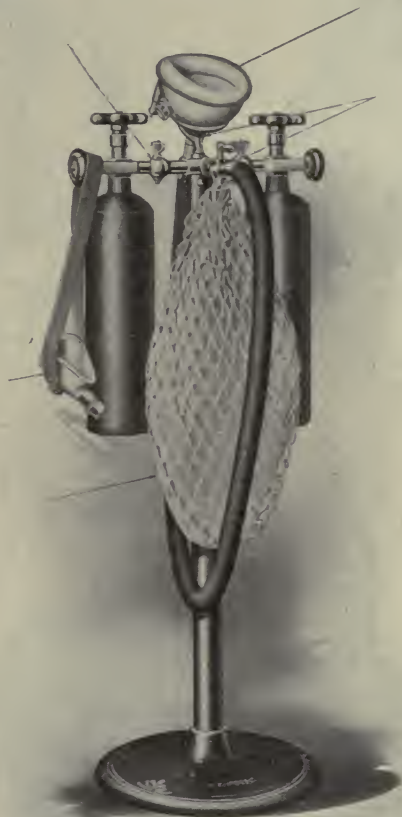
Extra valve for use when
cylinder is removed

Extra large cushion
on face inhaler

All connections
threaded absolutely
prevents leakage

Nasal
Inhaler

Pure Gum
Rubber Bag
and Net



B-115

Following the lines of the latest anaesthetic practice, a great many of our best anaesthetizers have adopted "The New Clark-Hurd Gas Apparatus" as the simplest and most practical type of apparatus for the administration of nitrous-oxide gas in preliminary anaesthesia, for use in gas ether sequence, (the combination of nitrous-oxide gas and ether) for oxygen and ether or for oxygen only.

The apparatus is in use by many of our largest hospitals and has been used with only the most satisfactory results. It should be a necessary part in the armamentarium of every hospital.

It is the most simple and practical gas apparatus made.

B-115 The New Clark-Hurd Gas Apparatus, complete less gas cylinders....net \$30 00

Note.—Send for circular describing the very latest and the most simple apparatus for administering nitrous-oxide with oxygen.

A. C. CLARK & CO.
Grand Crossing, Chicago.

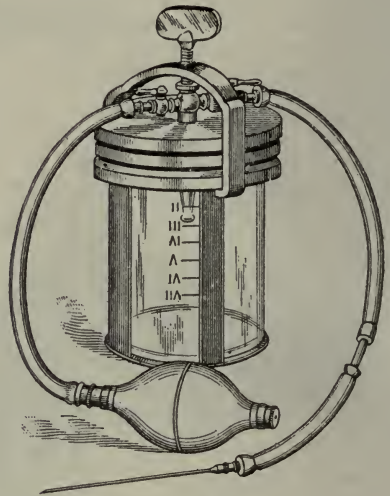
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Anaesthetic



B-110



B-120



B-77



B-90



B-75



B-85

INHALERS AND DROP BOTTLES.

B-110	Gwathmey's, combination, for nitrous-oxide gas and ether	\$33 00
*B-112	Gwathmey's carrying case	5 00
B-120	Matas' apparatus for massive infiltration anaesthesia...	10 00

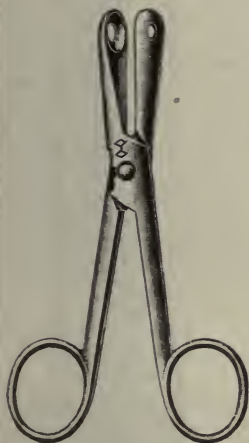
DROP BOTTLES.

B-75	Clayton's, with ground stopper.....	50
B-77	Clayton's, metal covered, 2 oz., \$1.25; 4 oz., \$1.50; 8 oz.....	1 75
*B-80	Esmarch's, plain, with dropper.....	50
B-85	Hahn's, with stop cock.....	1 25
B-90	Haslam's, with indicating dial stop cock.....	1 25

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Anaesthetic



B-137



B-128



B-150



B-130



B-140



B-135



B-145

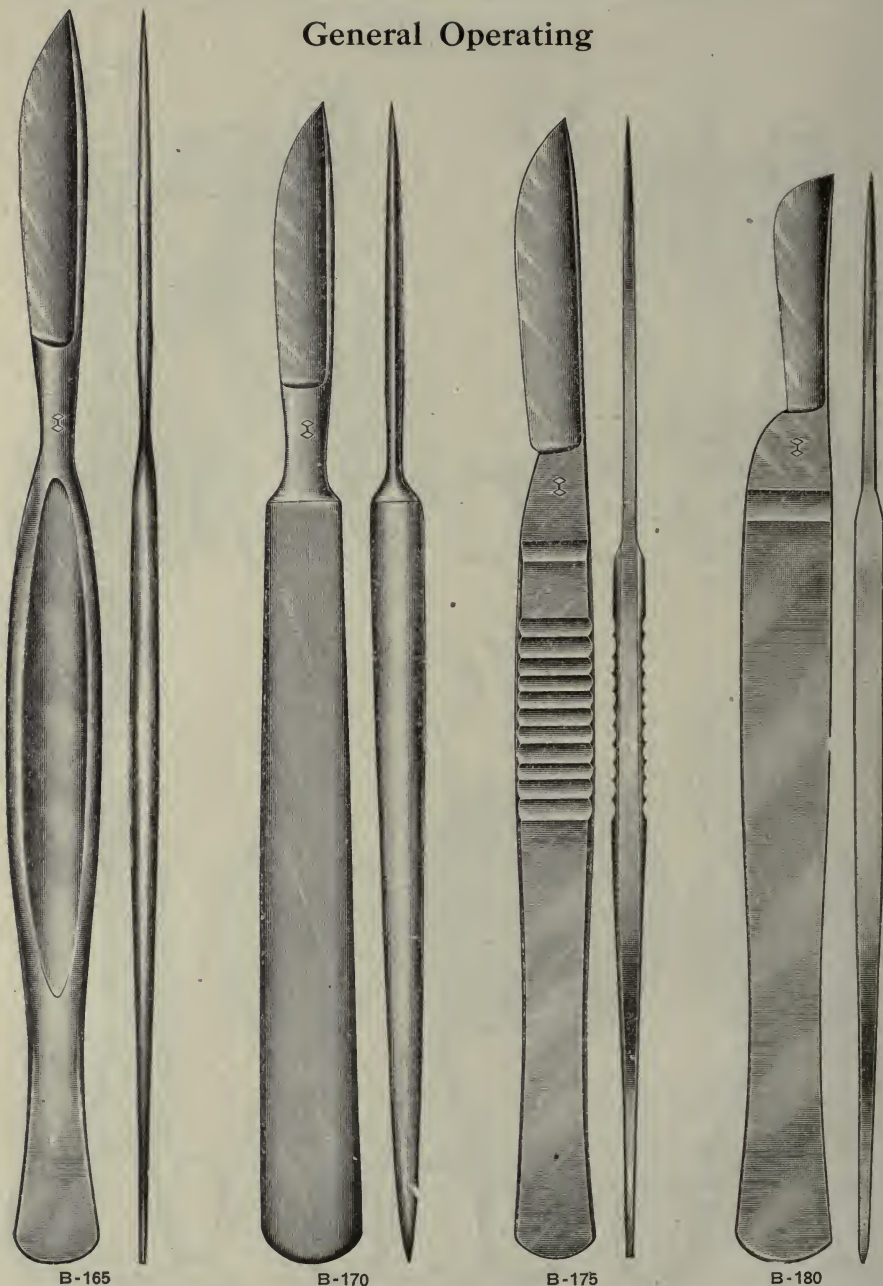
TONGUE FORCEPS.

B-128	Berger's, 5½ inch.....	\$2 00
B-130	Carmalt's, 5½ inch.....	2 00
B-135	Collin's, 6¼ inch.....	1 75
B-137	Esmarch's, 4¾ inch.....	1 00
B-140	Houze's, 6¼ inch.....	2 50
B-145	Mathieu's, 7 inch.....	1 75
B-150	Senn's, 5¼ inch.....	1 75

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General Operating



B-165

B-170

B-175

B-180

HASLAM'S AMERICAN OPERATING KNIVES.

Illustrations shown full size.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
 A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except
 on items marked net.

General Operating

A Word to the Surgeon

We call the attention of the operating surgeon to the knives, forceps, and scissors illustrated in the following pages. Knowing the necessity of a good cutting instrument, we have paid more than the usual attention to this part of our line.

KNIVES.

Our knives include only the best American and English makes. They are made of the finest grained English tool steel (Jessop's) and are hand forged throughout. Each knife is tempered with the utmost care, and is ground, polished and honed by the most expert workmen.

We guarantee each knife to be perfect in every respect. Should any defect in our knives be shown after use we stand ready to replace without charge.

We would also suggest to our patrons that surgical knives should be sent to your regular instrument dealer when in need of regrinding, as local mechanics generally are not familiar with the methods of grinding and polishing necessary to obtain the best results.

ENGLISH OPERATING KNIVES.

- B-155 Weiss', genuine, furnished only in blades Nos. 52 to 66, each.. \$1 75
 B-160 Clayton's, made only in the three sizes show, each..... 1 25

HASLAM'S AMERICAN OPERATING KNIVES

- B-165 Haslam Pattern, concave handle, furnished in all numbers, each 90
 B-170 Luer's Pattern, convex handle, furnished in all numbers, each 1 50
 B-175 English Pattern, fluted handle, furnished in all numbers, each 1 25
 B-180 Swedish Pattern, plain handle, furnished in Nos. 67 to 83 inclusive, each 1 25

Note.

For blades 86 and 88 add \$.25 to the regular list.

For blades 87, 89, 90 and 91 add \$.50 to the regular list.

B-155

B-160



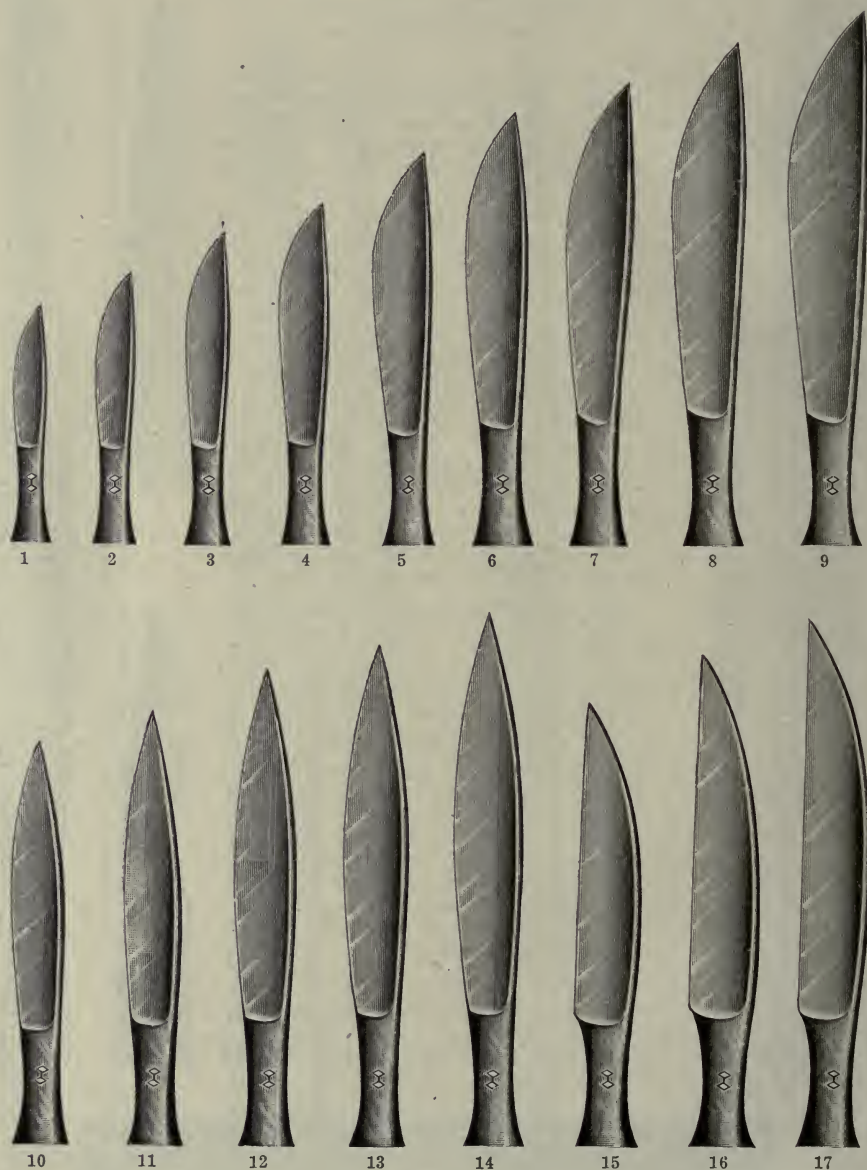
Fig. A.

Knives B-165, B-170, B-175 and B-180 can be put up in boxes as shown in Fig. A at an additional cost of \$.10.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating

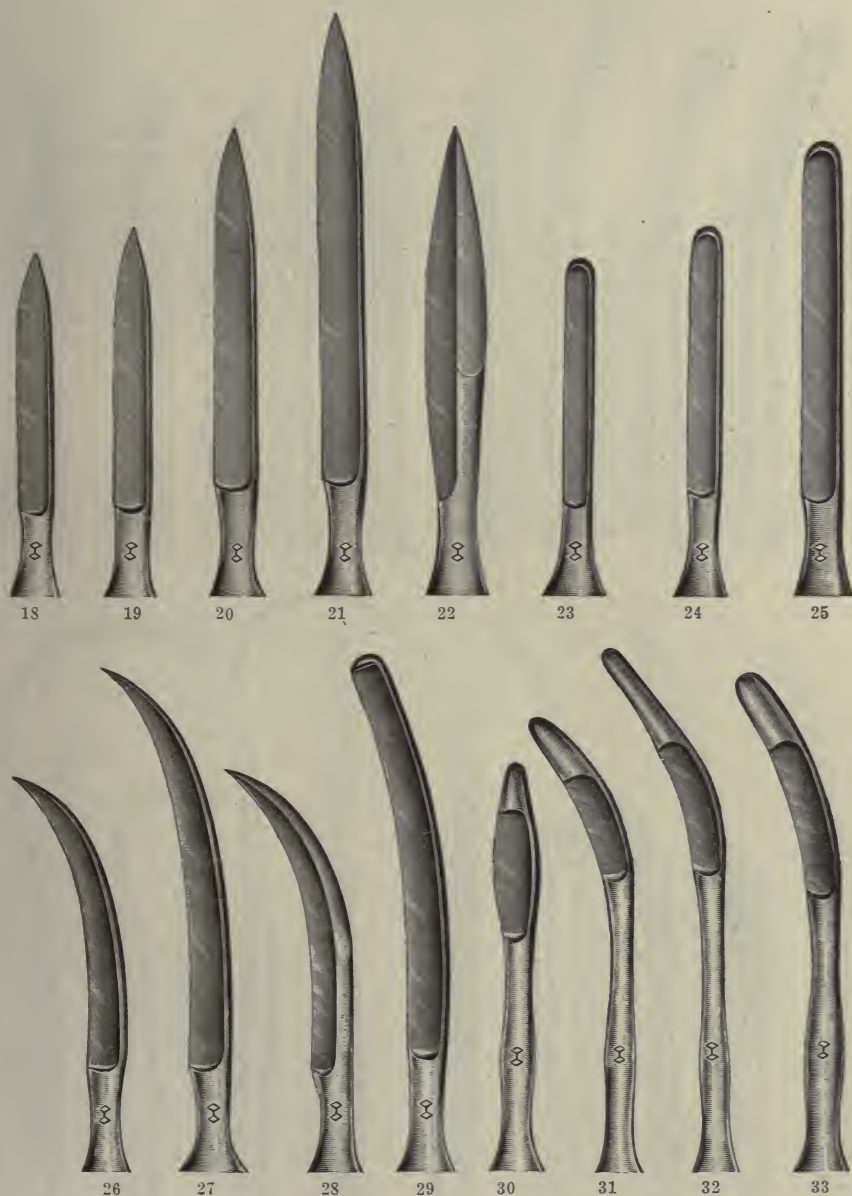


Illustrations shown full size.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



Illustrations shown full size.

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General Operating



Illustrations shown full size.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating

English Pattern



52

53

54

55

56

57

58

59



60

61

62

63

64

65

66

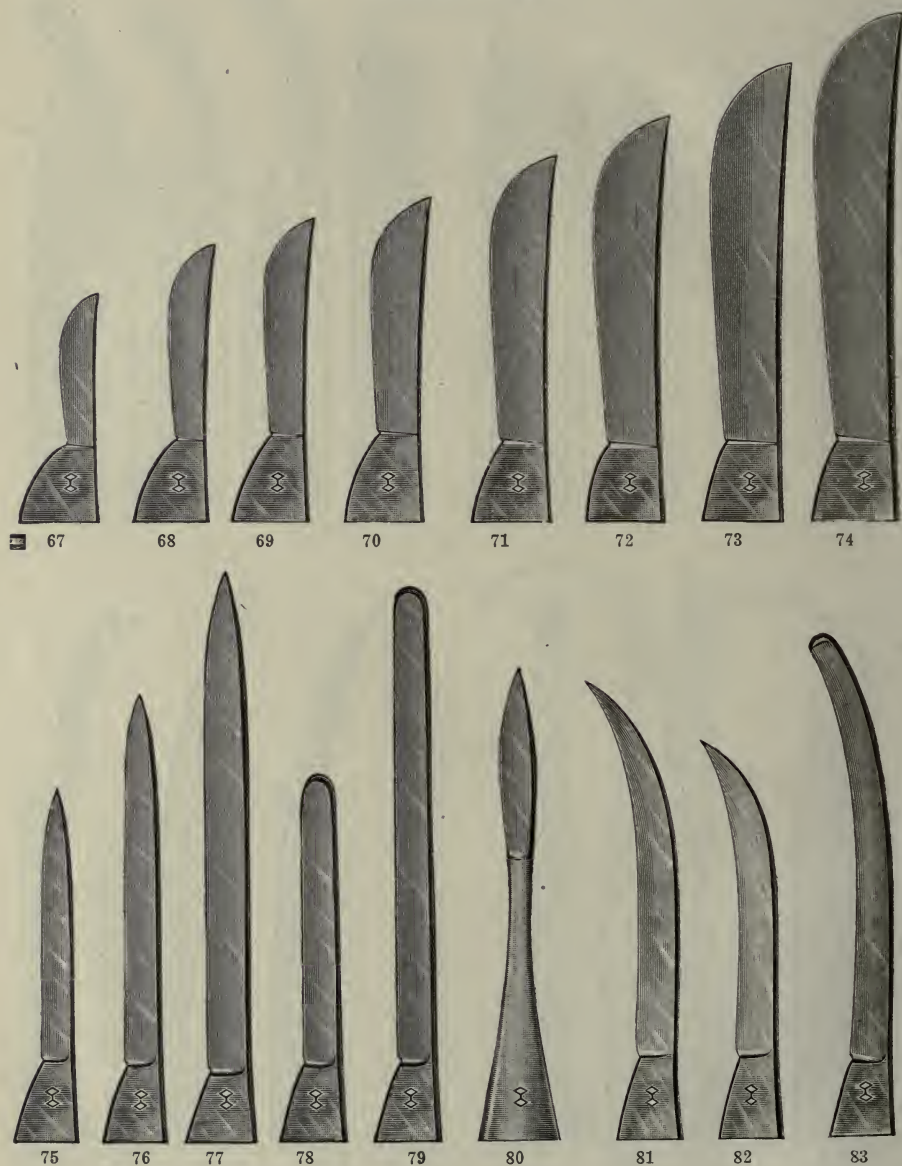
Illustrations shown full size.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating

Swedish Patterns

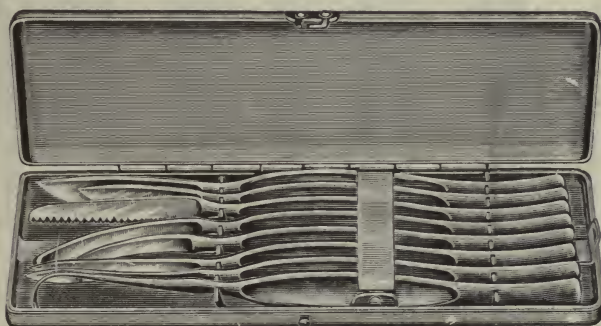
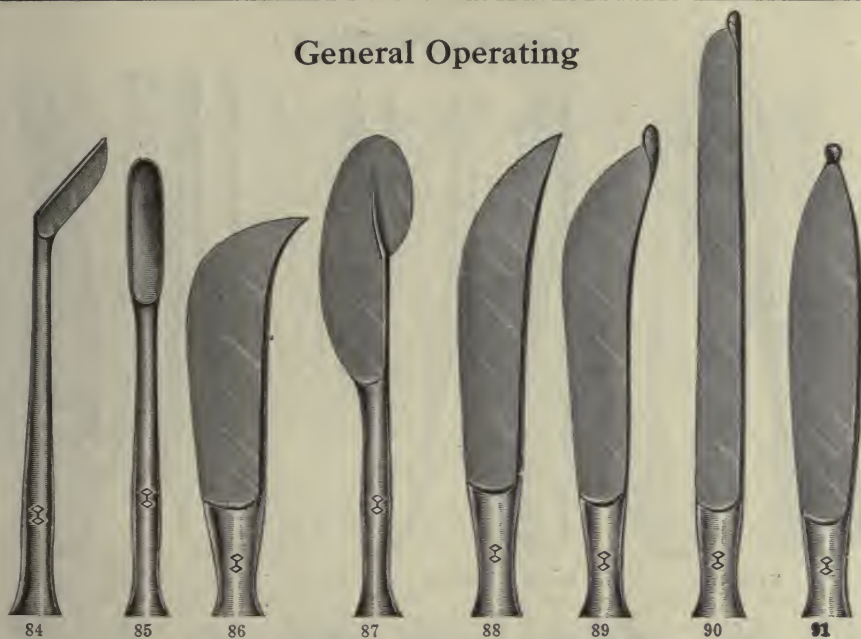


Illustrations shown full size.

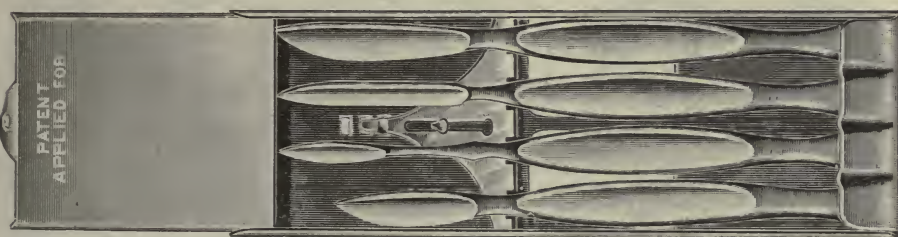
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



B-190



B-215

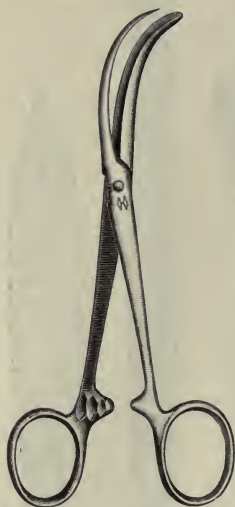
- | | |
|--|--------|
| *B-185 Metal Knife Case, with 6 knives, complete..... | \$7 50 |
| *B-190 Metal Knife Case, with 8 knives, complete..... | 9 50 |
| *B-195 Metal Knife Case, empty, for 6 or 8 knives..... | 2 50 |
| *B-200 Knife Holder, adjustable, with sliding cover, for 1 knife..... | 50 |
| *B-205 Knife Holder, adjustable, with sliding cover, for 2 knives..... | 60 |
| *B-210 Knife Holder, adjustable, with sliding cover, for 3 knives..... | 75 |
| *B-215 Knife Holder, adjustable, with sliding cover, for 4 knives..... | 90 |
| *B-220 Knife Holder, adjustable, with sliding cover, for 5 knives..... | 1 10 |
| *B-225 Knife Holder, adjustable, with sliding cover, for 6 knives..... | 1 25 |

The rack of this holder is adjustable and can be made to fit almost any style of knife.

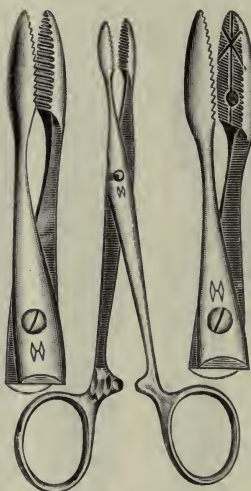
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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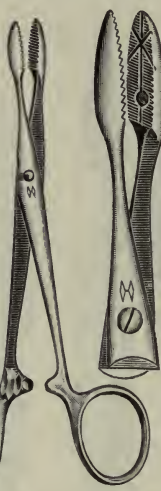
General Operating



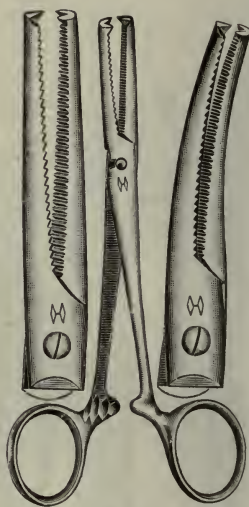
B-235



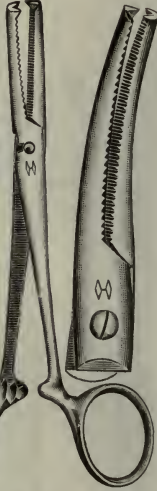
B-310



B-312

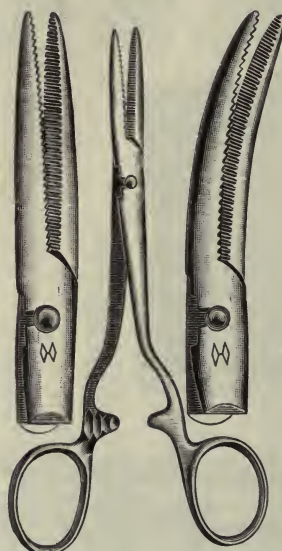


B-290

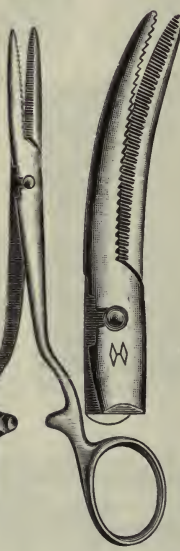


B-290

B-292



B-241



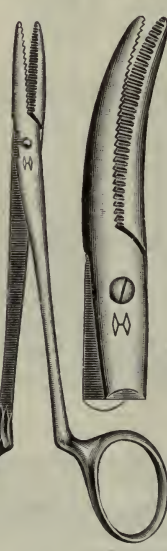
B-241



B-242



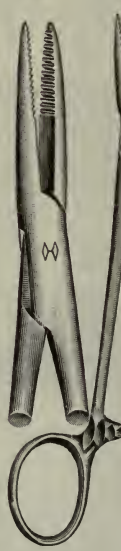
B-275



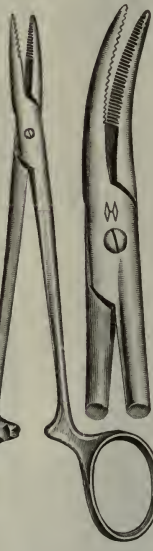
B-275



B-276



B-316



B-317



B-319

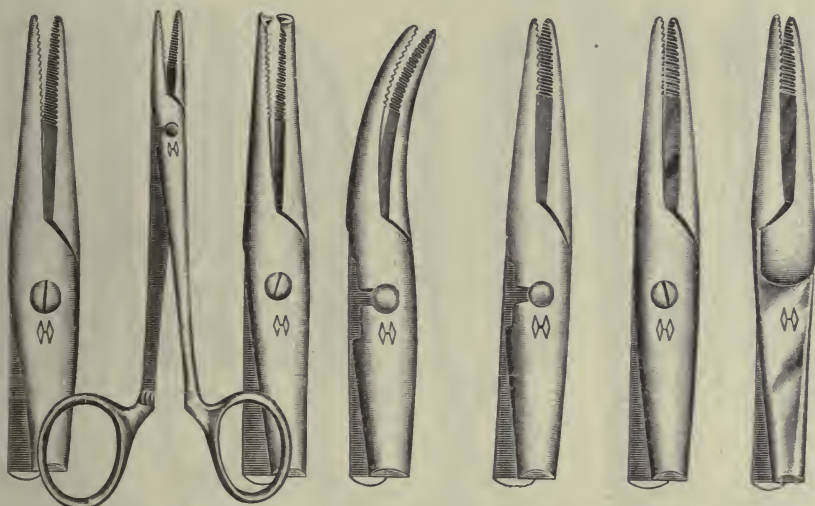
HAEMOSTATIC FORCEPS.

*B-230	Allis', acupressure, straight	\$1 25
B-235	Allis', acupressure, curved	1 25
*B-240	Doyen's, 6 inch	1 20
B-241	Ethridge's, straight, 5 in., \$1.00; 6 in., \$1.25; 7 in., \$1.40; 8 in.	1 50
B-242	Ethridge's, curved, 5 in., \$1.25; 6 in., \$1.50; 7 in., \$1.60; 8 in.	1 75
B-275	Jones', straight, screw or aseptic lock, 5 in.	1 00
B-276	Jones', curved, screw or aseptic lock, 5 in.	1 25
B-290	Kocher's, straight, screw or aseptic lock, 4½, 5 and 6 in., \$1.00; 6½ in.	1 25
B-292	Kocher's, curved, screw or aseptic lock, 5 in., \$1.25; 6 in.	1 40
B-310	Pean's, straight, screw or aseptic lock, 4½ in., \$.50; 5 in., \$.60; 5½ in.	60
B-312	Pean's, straight, screw or aseptic lock, 4½ in., with needle grooves.	50
*B-315	Pean's, curved, 4½ in., \$1.00; 5 in.	1 00
B-316	Providence Hospital, straight, box joint, 5½ in.	1 50
B-317	Providence Hospital, straight, mortise screw joint, 5½ in.	1 50
*B-318	Providence Hospital, curved, box joint, 5½ in.	1 60
B-319	Providence Hospital, curved, mortise screw joint, 5½ in.	1 60

Note.—Special prices will be allowed on lots of one dozen or more.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



B-280.

B-280

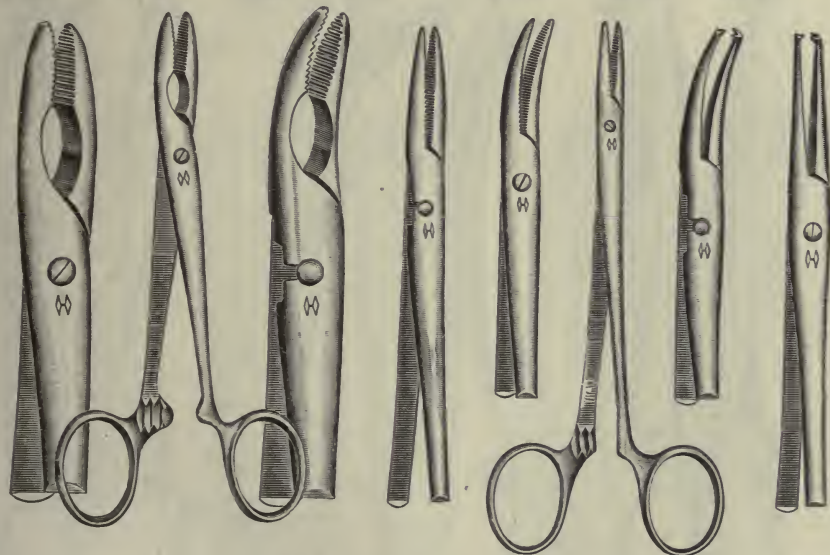
B-281

B-282

B-255

B-256

B-257



B-258

B-258

B-259

B-260

B-262

B-260

B-271

B-270

HAEMOSTATIC FORCEPS.

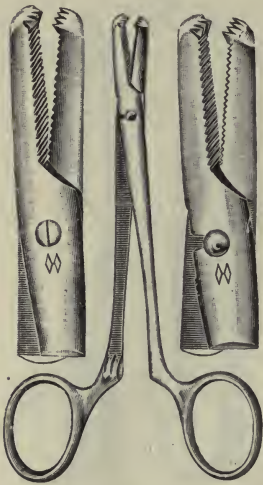
B-255	Halstead's, John Hopkin's pattern, aseptic lock, $5\frac{1}{2}$ in.....	\$1 25
B-256	Halstead's John Hopkin's pattern, screw lock, $5\frac{1}{2}$ in.....	1 25
B-257	Halstead's, John Hopkin's pattern, Collin lock, $5\frac{1}{2}$ in.....	1 25
B-258	Halstead's, straight, screw or aseptic lock, $5\frac{1}{2}$ in.....	1 00
B-259	Halstead's, curved, screw or aseptic lock, $5\frac{1}{2}$ in.....	1 00
B-260	Halstead's, mosquito, straight, screw or aseptic lock, $4\frac{3}{4}$ in.....	1 00
B-265	Halstead's, mosquito, curved, screw or aseptic lock, $4\frac{3}{4}$ in.....	1 00
B-270	Kelly-Halstead's, mosquito, straight, screw or aseptic lock, $4\frac{3}{4}$ in.....	1 00
B-271	Kelly-Halstead's, mosquito, curved, screw or aseptic lock, $4\frac{3}{4}$ in.....	1 00
B-280	Kelly's, straight, screw or aseptic lock, $5\frac{1}{2}$ in.....	1 00
B-281	Kelly's, straight, mouse tooth, screw or aseptic lock, $5\frac{1}{2}$ in.....	1 00
B-282	Kelly's, curved, screw or aseptic lock, $5\frac{1}{2}$ in.....	1 00

Note.—Special prices will be allowed in lots of one dozen or more.

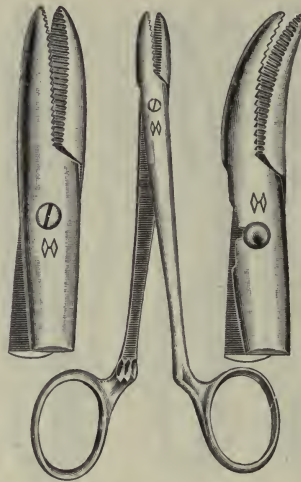
QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



B-302

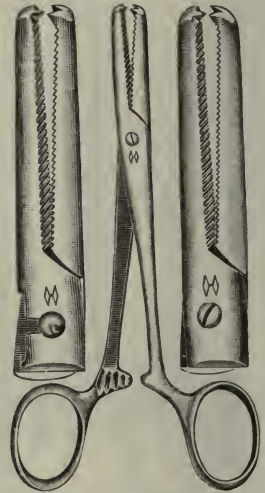


B-335

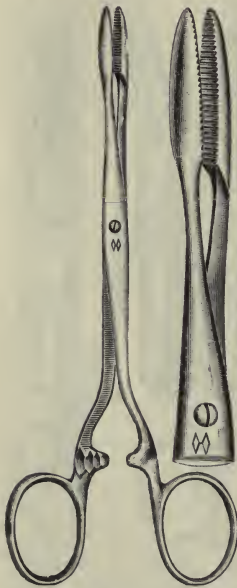
B-335



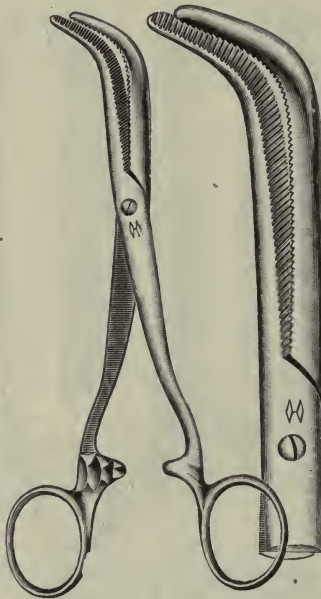
B-337



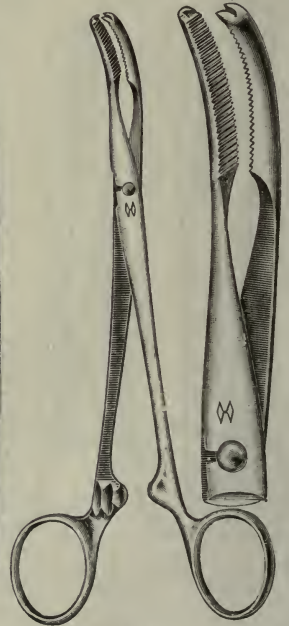
B-347



B-300



B-297



B-295

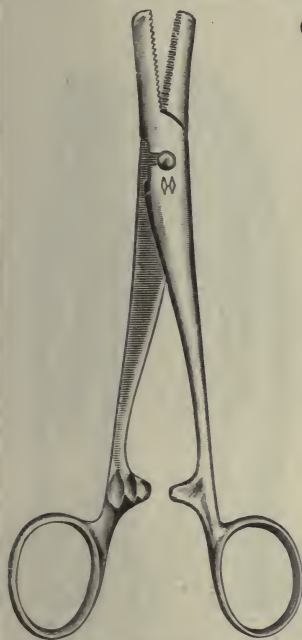
HAEMOSTATIC FORCEPS.

B-295	Mikulicz's, curved, screw or aseptic lock, $7\frac{1}{4}$ in.....	\$1 50
B-297	Mixter's, curved, screw or aseptic lock, 6 in.....	1 50
B-300	Murphy's, (Pears)' screw lock, $6\frac{1}{2}$ in.....	1 00
B-302	Phelp's, straight, screw or aseptic lock, 5 in.....	1 00
B-335	Tait's, straight, screw or aseptic lock, $4\frac{3}{4}$ in.....	75
B-337	Tait's, curved, screw or aseptic lock, $4\frac{3}{4}$ in.....	1 00
*B-340	Tait's, angular on flat, screw or aseptic lock, $4\frac{1}{2}$ in.....	1 00
*B-345	Thornton's, curved on flat, (same as Jones').....	1 25
B-347	Van Hook's, screw or aseptic lock, $5\frac{1}{4}$ in.....	1 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



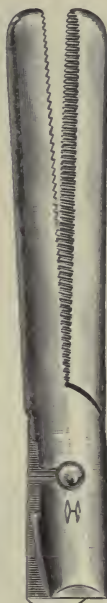
B-245-248



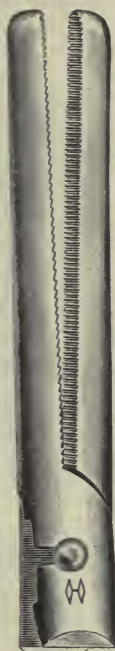
B-245



B-246



B-247



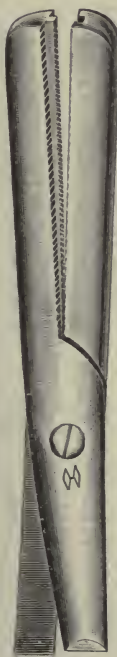
B-248



B-250-253



B-250



B-251



B-252

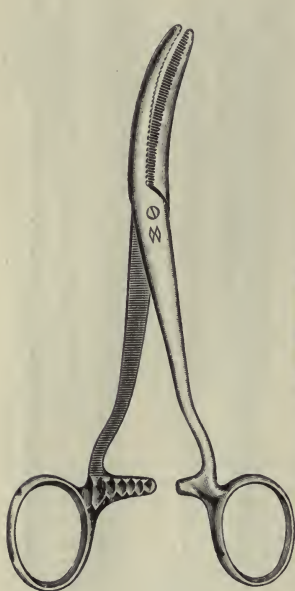


B-253

Price List of Forceps on Page 103.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



B-368



B-368



B-356



B-350



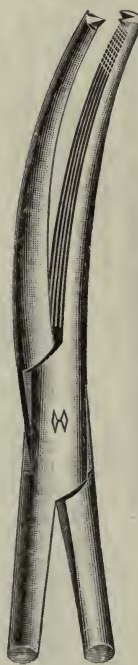
B-366



B-370



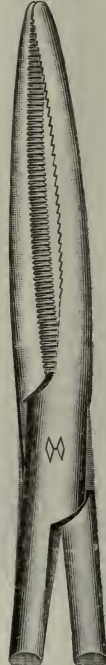
B-370



B-357



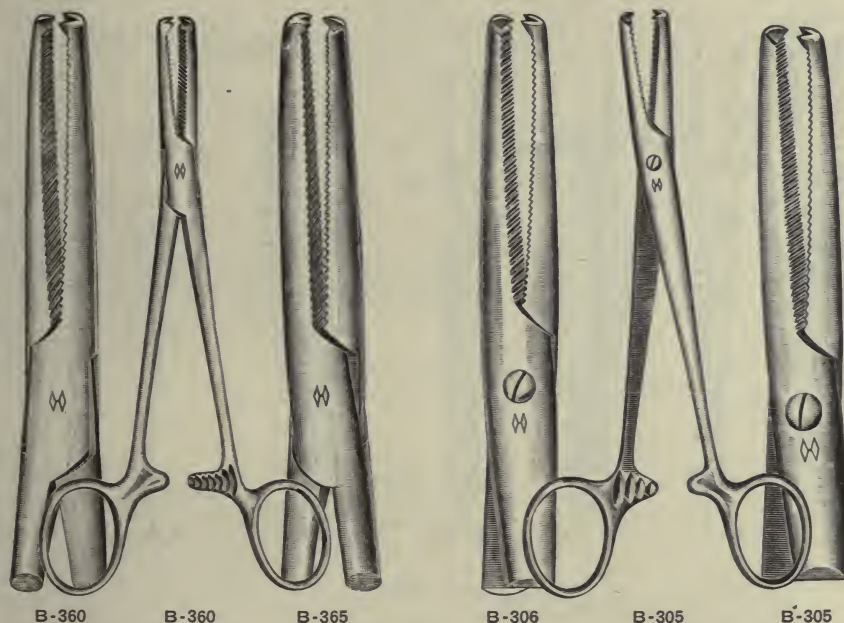
B-355



B-367

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



HAEMOSTATIC FORCEPS.

B-245	Ferguson's, screw or aseptic lock, $4\frac{1}{4}$ in.....	\$1 00
B-246	Ferguson's, screw or aseptic lock, $5\frac{1}{2}$ in.....	1 25
B-247	Ferguson's, screw or aseptic lock, $6\frac{1}{2}$ in.....	1 50
B-248	Ferguson's, screw or aseptic lock, $7\frac{1}{2}$ in.....	1 75
B-250	Ferguson's, angiotriptic, straight, screw lock, $6\frac{1}{2}$ in.....	1 50
B-251	Ferguson's, angiotriptic, straight, screw lock, $7\frac{1}{2}$ in.....	1 75
B-252	Ferguson's, angiotriptic, curved, screw lock, $6\frac{1}{4}$ in.....	1 75
B-253	Ferguson's, angiotriptic, curved, screw lock, $7\frac{1}{2}$ in.....	2 00

The Forceps listed above are illustrated on page 101.

B-350	Carmalt's, curved, screw or aseptic lock, $6\frac{1}{4}$ in.....	\$1 50
B-355	Carmalt's, curved, box joint, $6\frac{1}{4}$ in.....	1 75
B-356	Carmalt's, toothed, curved, screw or aseptic lock, $6\frac{1}{4}$ in.....	1 50
B-357	Carmalt's, toothed, curved, box joint, $6\frac{1}{4}$ in.....	1 75
*B-358	Kelly's, curved, screw or aseptic lock, $6\frac{1}{4}$ in., (same as Pean's B-368).....	1 50
*B-359	Mayo's, curved, box joint, $6\frac{1}{4}$ in., (same as Pean's B-370).....	1 75
*B-366	Ochsner's, screw lock, $6\frac{1}{4}$ in.....	1 25
B-365	Ochsner's, screw lock, $7\frac{1}{4}$ in.....	1 75
B-360	Ochsner's, box joint, $6\frac{1}{4}$ in.....	1 50
B-365	Ochsner's, box joint, $7\frac{1}{4}$ in.....	2 00
B-366	Pean's, straight, screw or aseptic lock, $6\frac{1}{4}$ in.....	1 25
B-367	Pean's, straight, box joint, $6\frac{1}{4}$ in.....	1 50
B-368	Pean's, curved, screw or aseptic lock, $6\frac{1}{4}$ in.....	1 50
B-370	Pean's, curved, box joint, $6\frac{1}{4}$ in.....	1 75
*B-371	Rochester, straight, box joint, $6\frac{1}{4}$ in., (same as Ochsner's B-360).....	1 50
*B-372	Rochester, straight, box joint, $7\frac{1}{4}$ in., (same as Ochsner's B-365).....	2 00

Special prices in lots of one dozen or more.

Notes.

Surgeons having an extensive hospital practice will find our haemostatic forceps made with box joints to be just the thing for heavy operative work. This joint is much stronger than either the separable or screw joint, will always hold the blades in perfect alignment, and does away with the danger of the point twisting in use.

The forceps listed above are known under so many different names, that we have listed them by all of their various titles, giving the illustration to the proper name of the forcep.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



B-415



B-460



B-465



B-420



B-435



B-458



B-457



B-443



B-444



B-436



B-438



B-441



B-440

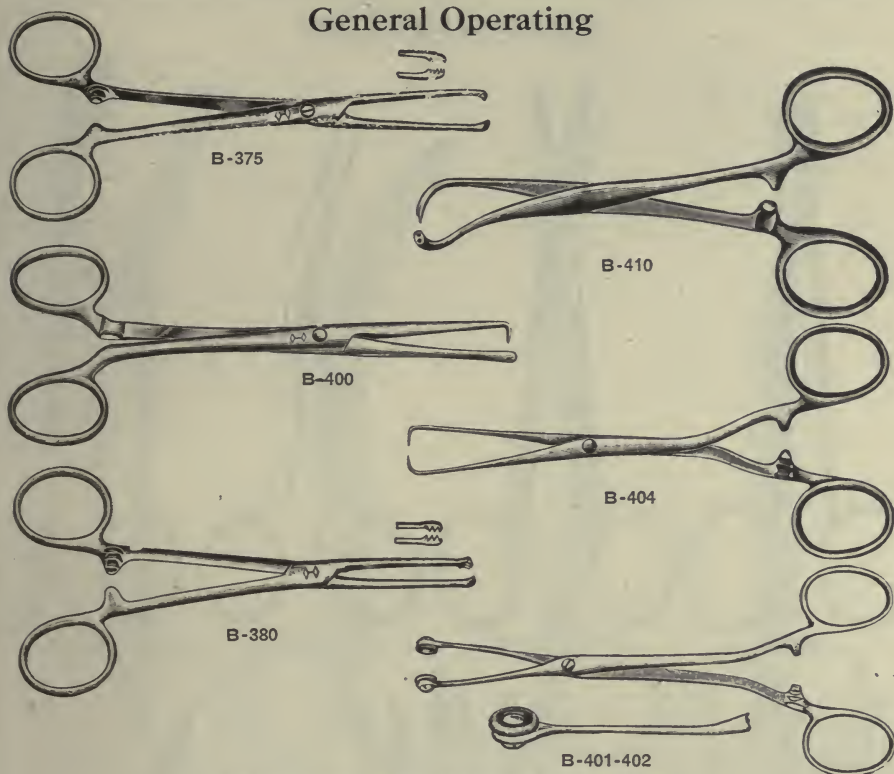


B-450

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



INTESTINAL AND MARGINAL FORCEPS.

B-375	Allis', end teeth, screw or aseptic lock.....	\$1 75
B-380	Allis', end teeth, box joint.....	2 25
B-400	Allis', tack, improved model.....	1 75
B-401	Barrett's, rubber jaws, 6½ in.....	3 00
B-402	Barrett's, rubber jaws, 8¾ in.....	3 50
B-403	Barrett's, rubber jaws, 6 in., new model, spring handle.....	2 25
B-404	Bernay's, marginal tenaculum.....	1 50
*B-405	Pratt-Smith's, T shape.....	1 75
F-410	Smith's, marginal tenaculum.....	1 75

DRESSING AND TISSUE FORCEPS.

B-415	Dressing Forceps, 4½ in., \$.40; 5 in., \$.50; 5½ in., \$.70; 6 in., \$.80; 7 in., \$.80; 8 in., \$.90; 9 in., \$1.00; 10 in., \$1.20; 11 in., \$1.35; 12 in.....	1 50
*B-416	Dressing Forceps, Kelly's, 5 in.....	75
B-420	Tissue Forceps, 1 and 2 teeth, 4½ in., \$.50; 5 in., \$.60; 5½ in., \$.70; 6 in....	80
B-425	Tissue Forceps, 2 and 3 teeth, 4½ in., \$.60; 5 in., \$.70; 5½ in., \$.80; 6 in....	90
B-426	Tissue Forceps, 3 and 4 teeth, 4½ in., \$.70; 5 in., \$.80; 5½ in., \$.90; 6 in....	1 00
B-430	Tissue Forceps, 4 and 5 teeth, 4½ in., \$1.00; 5 in., \$1.00; 5½ in., \$1.10; 6 in....	1 20
B-435	Tissue Forceps, Collin's, 3 and 9 teeth, 3½ in.....	90
B-436	Tissue Forceps, Farka's, 4 and 5 teeth, 5 in.....	1 25
B-437	Tissue Forceps, Gutsch's, 4 and 5 teeth, 4½ in., \$1.00; 5 in., \$1.10; 5½ in....	1 20
B-438	Tissue Forceps, Kelly's, 5 in., 1 and 2 teeth, \$.80; 2 and 3 teeth, \$.90; 3 and 4 teeth.....	1 00
B-444	Tissue Forceps, London pattern.....	1 00
B-440	Tissue Forceps, Ochsner's, 4 and 5 teeth, 4½ in., \$1.00; 5 in., \$1.00; 5½ in....	1 10
B-439	Tissue Forceps, Rochester pattern.....	1 00
B-441	Tissue Forceps, Roubaix's, straight, 5 in., for suture work.....	1 25
*B-442	Tissue Forceps, Roubaix's, angular, 5 in., for suture work.....	1 50
B-443	Tissue Forceps, Russian, 6 in.....	1 50
B-450	Tissue Forceps, Stille's, 4 and 5 teeth, 5 in.....	1 00

SPLINTER FORCEPS.

B-457	Carmalt's, straight, 4½ in.....	75
B-458	Carmalt's, curved, 4½ in.....	85
B-465	Feilchenfeld's, 4½ in.....	1 00
*B-470	Little's, 4 in.....	60
B-460	Plain, 2½ in., \$.30; 3 in., \$.40; 3½ in., \$.45; 4 in.....	50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating

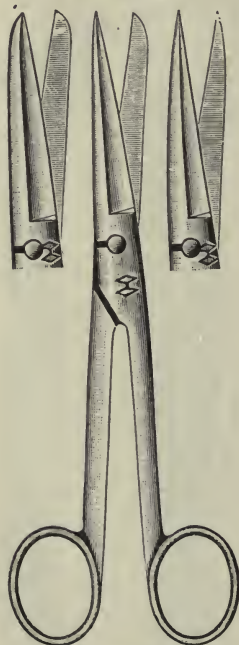


B-498

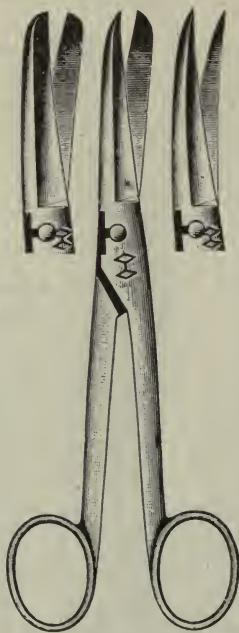
B-510

B-545

B-502



B-480



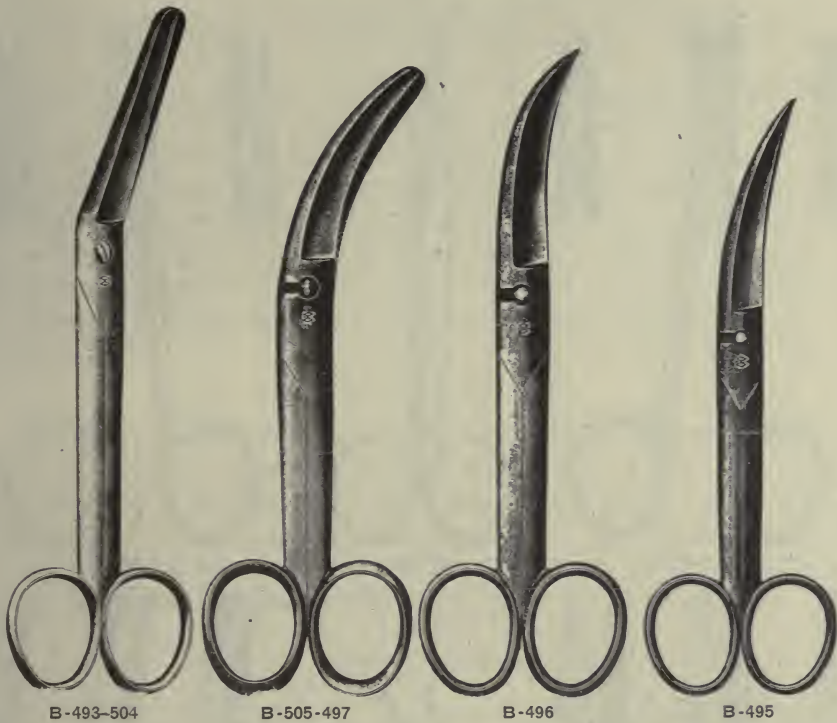
B-485



B-490

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



SCISSORS.

B-480	Scissors, straight, 4 in., \$.60; 4½ in., \$.60; 5 in., \$.65; 5½ in., \$.75; 6 in., \$.85; 6½ in., \$.90; 7 in.....	\$1 00
B-485	Scissors, curved on flat, 4 in., \$.75; 4½ in., \$.80; 5 in., \$.85; 5½ in., \$.90; 6 in., \$1.00; 6½ in., \$1.20; 7 in.....	1 50
B-490	Scissors, angled on edge, 4½ in., \$.85; 5½ in., \$1.00; 6½ in.....	1 25
*B-491	Scissors, Doyen's, straight, abdominal, 7 in., \$1.50; 10 in.....	2 25
*B-492	Scissors, Doyen's, curved, abdominal, 7 in.....	2 00
B-493	Scissors, Ferguson's, angled on flat, 8 in.....	2 25
B-495	Scissors, Fritsch's, curved on edge, 5½ in., \$1.00; 6 in.....	1 25
B-496	Scissors, Israel's, curved on flat, 6½ in.....	1 25
B-497	Scissors, Krey's, curved on edge, blunt, 6½ in.....	1 50
B-498	Scissors, Littauer's, stitch, 5½ in.....	1 25
B-499	Scissors, Littauer's, stitch, 4½ in., for pocket case.....	1 00
B-502	Scissors, Mixter's, curved on flat, slender, 6 in.....	1 00
B-505	Scissors, Murray's, curved on edge, blunt, 6½ in., (same as Krey's B-497)...	1 50
*B-500	Scissors, office dressing, 5½ in., \$.75; 6 in., \$1.00; 7 in.....	1 25
B-504	Scissors, Rochester, angled on flat, 8 in., (same as Ferguson's B-493).....	2 25
B-510	Scissors, straight, one probe point, 4½ in., \$.75; 5 in.....	90
B-545	Scissors, Greig-Smith's, angled on edge, for sutures.....	1 00

Note.—When ordering scissors B-480 and B-485 please specify the points you want; as illustrated, No. 1 both points blunt; No. 2 one sharp and one blunt point; No. 3 both points sharp.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



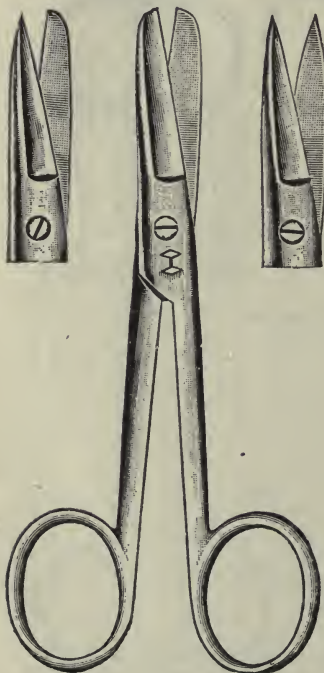
B-535



B-525



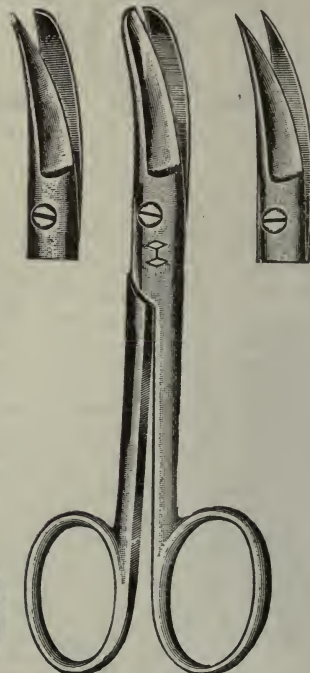
B-530



B-515



B-526



B-520

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating

Mayo's Scissors

This type of scissor was first made up at the suggestion of Dr. W. J. Mayo, and we believe it represents the ideal scissor. The shanks and blades are both much heavier than usual, and the blades shorter. This gives greater leverage and power, and insures a better cutting edge. They are made of the best English steel, forged, tempered, ground, polished, and honed by the best workmen. They are made in straight and flat curved patterns, with screw joints only. We can heartily recommend this pattern of scissor to surgeons desiring a first-class cutting instrument.

Mayo's Dissecting Scissors

This scissor was designed by Dr. C. H. Mayo, and will be found especially useful in fine dissecting work. The blades are heavy, with rounded back, are not as wide as the regular scissor, the nose or point is blunt and rounded, and is made in screw joint only. The illustration, B-525, shows the general shape and construction. It will be found especially useful in dissections of the neck, axillæ and breast.

Jackson's Scissors

are made on the same constructive lines as the Mayo's, difference being in the point of the instrument. In this scissor the blunt points are rounded in such a fashion as to permit of their use in dissecting work; shanks and blades are of heavy construction; they are made with screw joints only and of the best English steel. They were designed by Dr. J. N. Jackson of Kansas City.

B-515	Scissors, Dr. W. J. Mayo's, straight 4½ in.....	\$1 00
	Scissors, Dr. W. J. Mayo's, straight, 5 in.....	1 00
	Scissors, Dr. W. J. Mayo's, straight, 5½ in.....	1 10
B-520	Scissors, Dr. W. J. Mayo's, curved on flat, 4½ in.....	1 25
	Scissors, Dr. W. J. Mayo's, curved on flat, 5 in.....	1 25
	Scissors, Dr. W. J. Mayo's, curved on flat, 5½ in.....	1 35
B-525	Scissors, Dr. C. H. Mayo's, dissecting, 5½ in., \$1.25; 6½ in.....	1 50
B-526	Scissors, Mayo-Murray's, dissecting, curved on flat, 5 in., \$1.50; 6½ in.....	1 75
B-530	Scissors, Jackson's, straight, 5 in., \$1.00; 5½ in., \$1.10; 6 in., \$1.25; 6½ in..	1 50
B-535	Scissors, Jackson's, curved on flat, 5 in., \$1.20; 5½ in., \$1.35; 6 in., \$1.50;	
	6½ in.	1 75

NOTE.—In ordering please specify the style of point wanted. We make with 1 point sharp, 2 points blunt, 2 points sharp.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



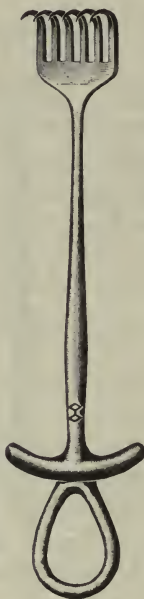
B-640



B-622



B-585



B-658



B-590-615



B-550



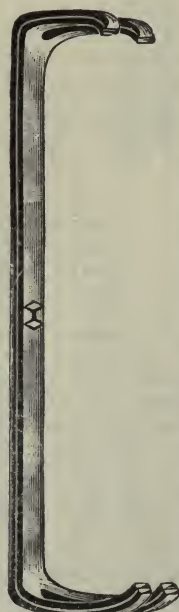
B-625



B-652-654



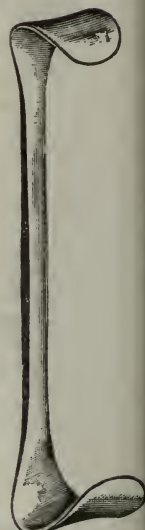
B-575



B-570



B-650

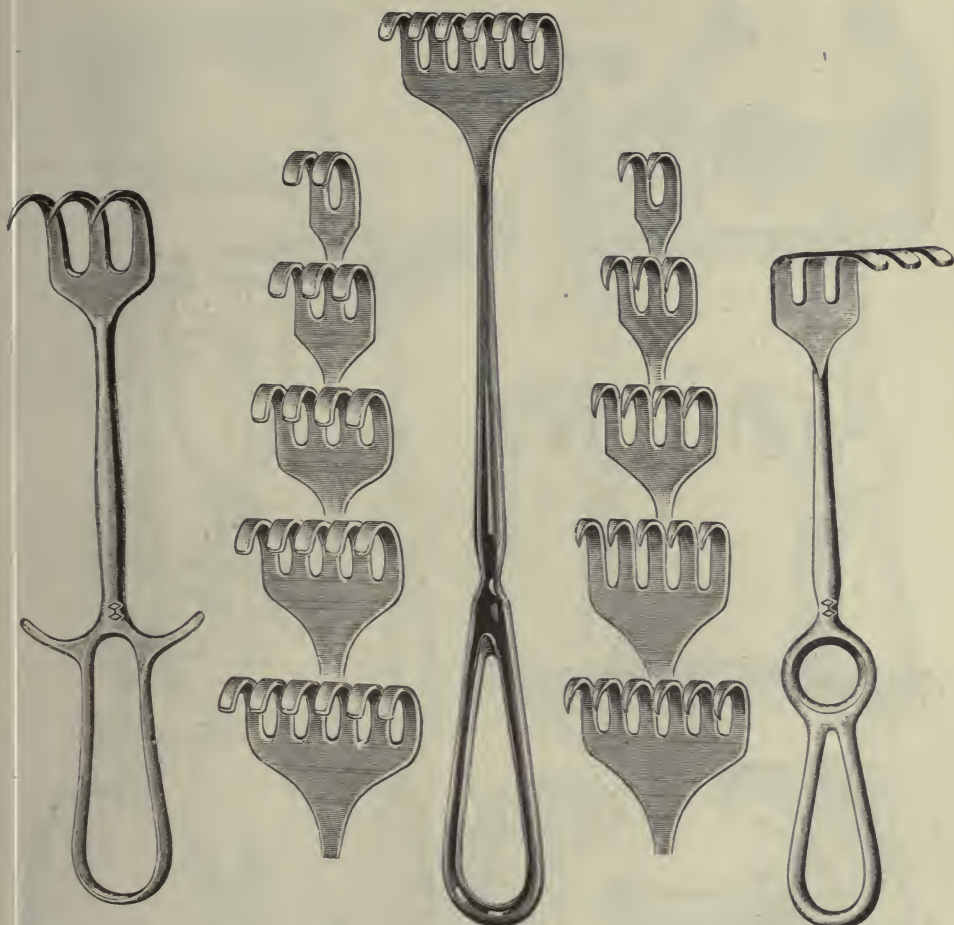


B-578

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



B-573

B-665

B-665

B-660

B-620

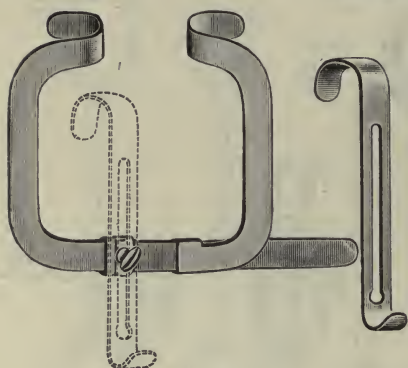
RETRACTORS—GENERAL.

B-550	Billroth's, blunt, Prongs 2 3 4 5 6	B-615	Halstead's, 12 prongs	\$1 75
	Price \$1.35 \$1.50 \$1.50 \$1.75 \$1.75	B-620	Israel's, 3 prongs, \$2.00; 6 prongs	2 50
*B-555	Billroth's, sharp, Prongs 2 3 4 5 6	B-622	Koerte's, 4 prongs, \$2.00; 8 prongs	2 50
	Price \$1.35 \$1.50 \$1.50 \$1.75 \$1.75	B-625	Lange's, major	1 75
B-570	Collin's, set of two, fenestrated	*B-630	Lange's, minor	1 50
		*B-635	Little's	1 50
*B-572	Doyen's, blunt, heavy, 10 in., 2 prongs	B-640	Middledorf's, fenestrated, 3 sizes	2 00
B-573	Doyen's, sharp, heavy, 10 in., 3 prongs	B-645	Murphy's, sharp, prostratic	1 25
B-575	Forwood's, set of two	B-650	Parker's, set of two, short, \$5.00; long,	60
B-578	Golet's, double	B-652	Richardson's, small	1 25
*B-580	Green's, solid blade, small, \$1.25; large	B-654	Richardson's, large	1 25
		*B-657	Schultz's, blunt, 6 prong	1 50
B-585	Green's, fenestrated	B-658	Schultz's, sharp, 6 prong	1 50
B-590	Halstead's, 3 prongs	B-660	Volkman's, sharp, Prongs 2 3 4 5 6	
B-595	Halstead's, 4 prongs		Price \$1.35 \$1.50 \$1.50 \$1.75 \$1.75	
B-600	Halstead's, 6 prongs	B-665	Volkman's, blunt, Prongs 2 3 4 5 6	
B-605	Halstead's, 8 prongs		Price \$1.25 \$1.50 \$1.50 \$1.75 \$1.75	
B-610	Halstead's, 10 prongs			

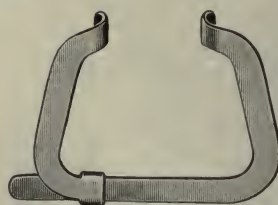
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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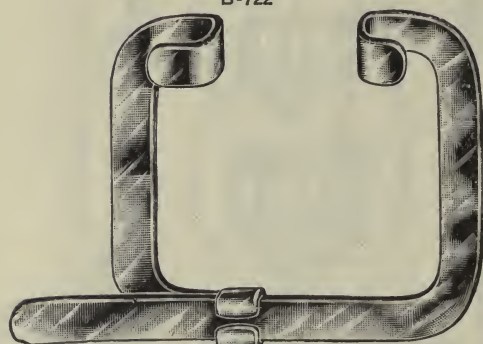
General Operating



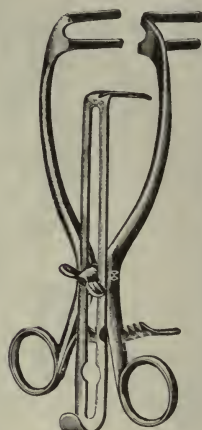
B-722



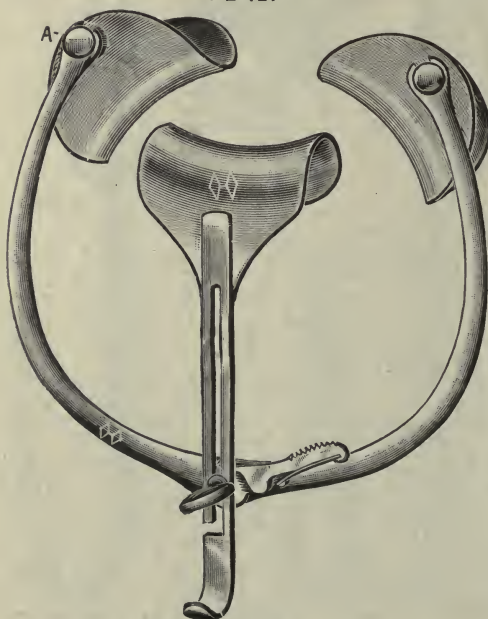
B-723



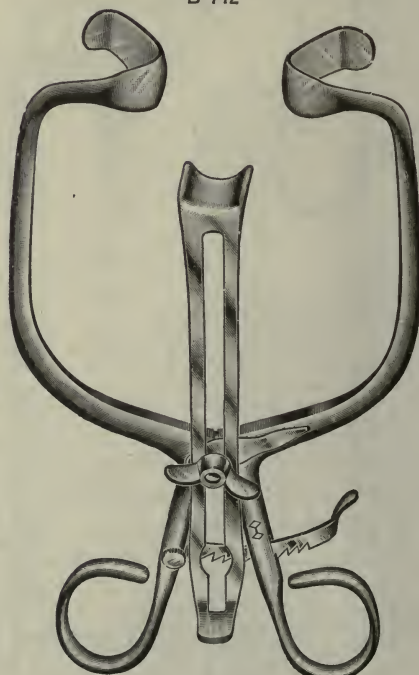
B-721



B-712



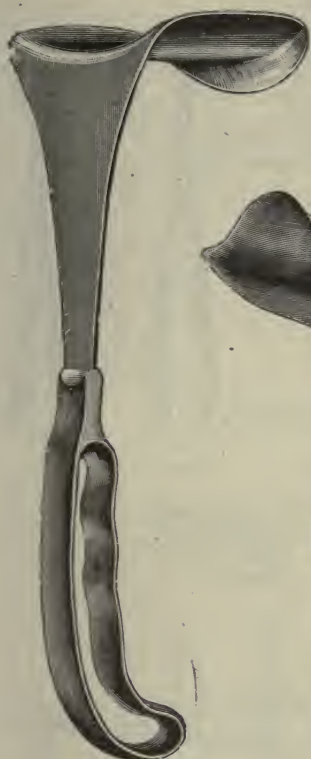
B-724



B-720

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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General Operating



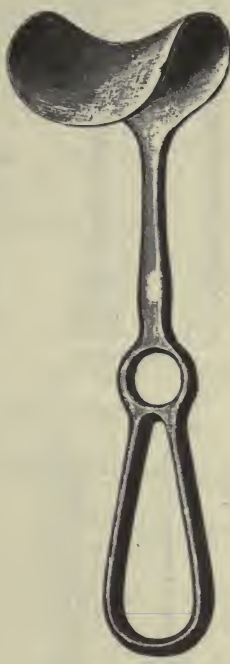
B-700



B-670



B-675



B-685

RETRACTORS—ABDOMINAL.

B-670	Donoghue's, 3 sizes, each	\$3 00
B-675	Doyen's, thin steel blade	3 00
*B-680	Fritsch's, small	1 50
B-685	Fritsch's, large	1 75
B-700	Kelly's, original model, 4 sizes, each.....	1 75
*B-710	Mayo's, (Dr. W. J.) self retaining, for appendectomy and herniotomy.....	4 50
B-712	This retractor is the same as the Mayo-Collins B-712 minus the third blade.	
*B-715	Mayo-Collins', self retaining, for appendectomy and herniotomy.....	5 50
*B-715	Mayo-Simpson's, self retaining, abdominal	6 25
B-720	This retractor is the same as the Mayo-Collins-Simpson B-720 minus the third blade.	
B-720	Mayo-Collins-Simpson's, self retaining, abdominal	8 00
B-724	Webster's, self retaining, abdominal	10 00

THE SPARK'S SELF RETAINING RETRACTORS.

B-721	Spark's, self retaining, abdominal	net \$4 50
B-722	Spark's, self retaining, abdominal, with extra blade	net 5 00
B-723	Spark's, self retaining, appendectomy	net 4 00

These retractors have been designed and perfected under the name of Spark's. They are guaranteed to be of the very best material and construction.

Each instrument is self retaining, is very simple, and consists of only two pieces of sheet steel, heavily nickel plated over copper. The two parts can be instantly dismounted and folded into small space. The abdominal retractor has an opening of six inches and the appendectomy retractor has an opening of three and a half inches.

There are no set screws, no irregular surfaces, nothing to get lost or out of order.

There is no danger of damaging rubber gloves in manipulating these instruments.

When retraction is made the instrument will not slip.

They are light in weight.

There is no lost motion.

They are readily sterilized and cleaned.

They are reasonable in price.

They are the only retractors made that conform to the shape of the body, and this steadies the instrument. The appendectomy retractor may be used as an abdominal retractor for children, or under the regular abdominal retractor when four blades are desired.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



B-735



B-737



B-740



B-730



B-725



B-805



B-760



B-820



B-810



B-797



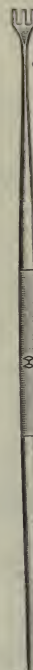
B-796



B-795



B-785



B-816



B-805

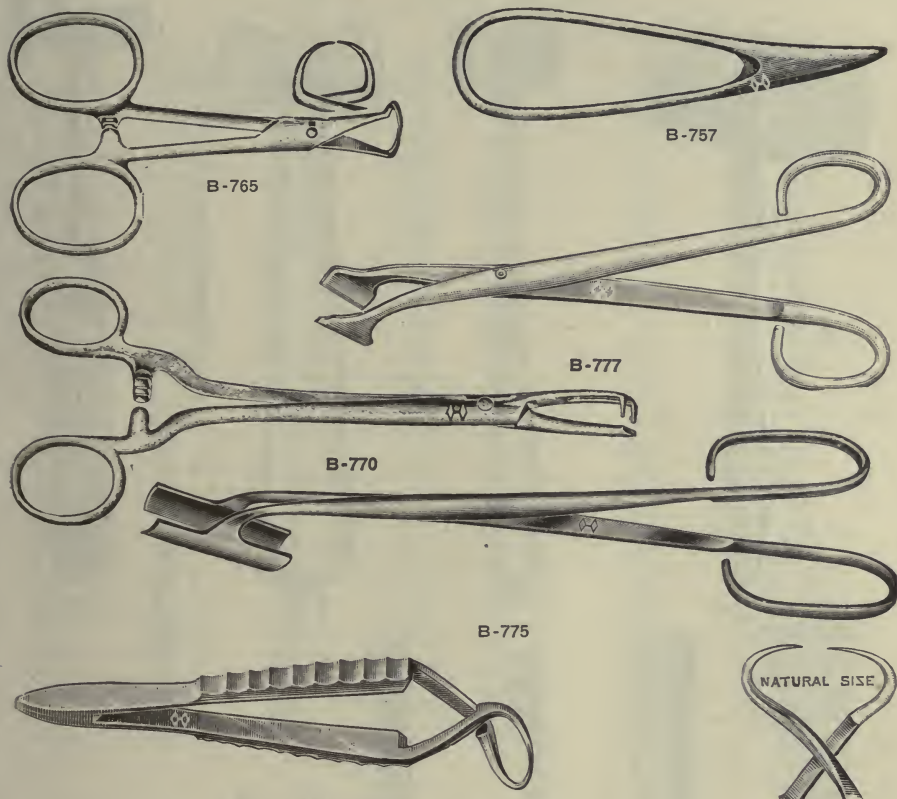


B-750

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General Operating



DIRECTORS, PROBES, SUNDRIES, ETC.

B-725	Director, Arnott's, grooved, silver												\$1 00
B-730	Director, grooved, with aneurism needle, plated												35
B-735	Director, grooved, with tongue tie, plated												25
B-737	Director, grooved, with tongue tie, spear point, plated												50
B-740	Director, grooved, with tongue tie, probe point, plated												35
*B-745	Director, grooved, double curved, with tongue tie, plated												75
B-750	Director, Kocher's												1 00
B-757	Dissector, Mayo's												1 00
B-760	Dissector, Young's, prostatic												2 00
B-765	Forceps, Backhaus', short, for towels, 3 in.												75
*B-766	Forceps, Backhaus', long, for towels, 5½ in., screw lock												1 20
B-767	Forceps, Jones', self retaining, for towels												1 00
B-770	Forceps, Dr. C. H. Mayo's, vein stripping or dissecting												2 25
B-775	Forceps, Van der Poel's, long, for sterilizer												3 50
B-777	Forceps, Van der Poel's, short, for sterilizer												2 25
	Length	4½ in.	5 in.	5½ in.	6 in.	8 in.	10 in.	12 in.					
B-778	Packer, Kelly's												50
B-780	Probe, with eye, plated	\$0.15	\$0.15	\$0.15	\$0.25	\$0.35	\$0.50	\$0.65					\$0.65
B-785	Probe, with eye, silver	0.25	0.30	0.35	0.50	0.60	1.00	1.25					1.25
B-790	Probe, spear point, plated	0.15	0.15	0.15	0.25	0.35	0.50	0.65					0.65
B-795	Probe, spear point, silver	0.25	0.30	0.35	0.50	0.60	1.00	1.25					1.25
*B-800	Probe, plated, myrtle leaf end, 4½ and 5 in., each												30
B-795	Probe, Faenger's, spiral, for gall duct, can also be used as a catheter												1 25
B-797	Probe, Mayo's, block tin, with scoop and director, for gall duct												1 00
B-805	Replacer, Richardson's, for packing the intestines												2 50
B-810	Spoon, Beck's, for depressing the intestines in suturing the peritoneum												1 50
B-812	Tucker, Barrett's, for tucking in the cuff of the appendix												50
B-815	Tucker, Mayo-Boldt's, for tucking in the cuff of the appendix												50
B-816	Tucker and Packer, Mayo-Kelly's												1 00
B-820	Vein Stripper, Dr. C. H. Mayo's, 3 sizes, for stripping or dissecting varicose veins												1 25

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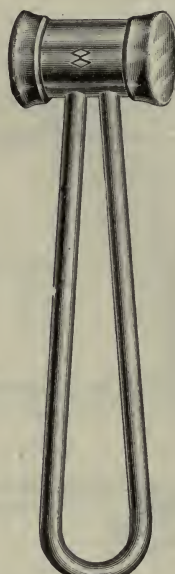
Bone Instruments



B-915



B-895



B-910



B-900



B-850



B-880



B-835



B-860



B-840



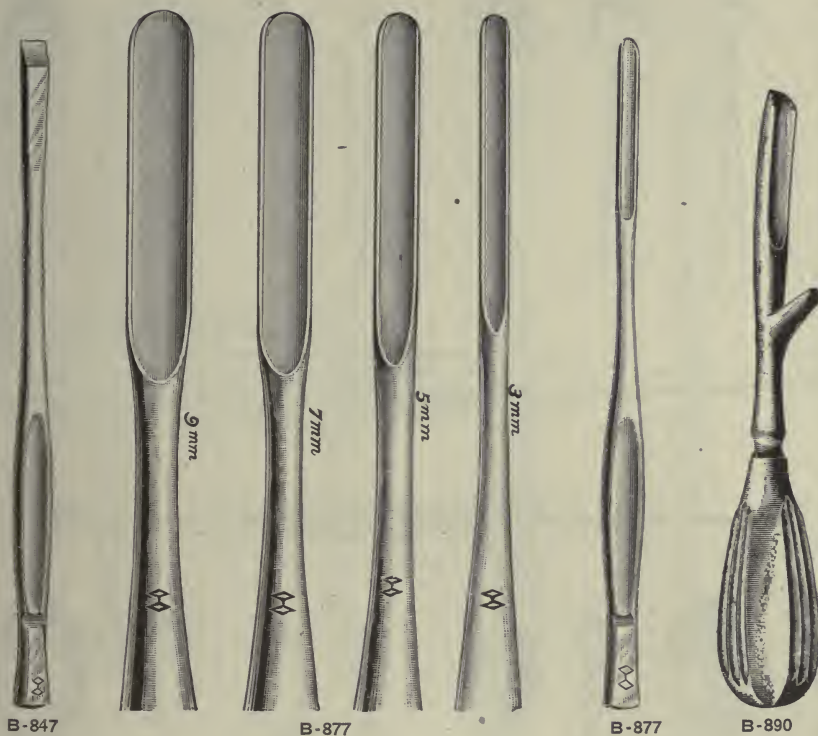
B-825



B-855

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Bone Instruments



CHISELS, GOUGES, MALLETS.

Chisels.

B-825	Plain, 3 widths, each	\$0 60
*B-830	Bergmann's, 3 widths, each	1 00
B-835	Brun's, 3 widths, each	1 00
B-840	Doyen's, cranial, each	2 50
*B-845	Esmarch's, large, 19, 24, 29 mm. wide, each	3 75
B-847	Haslam's, 4 sizes, 3, 5, 7 and 9 mm. wide, each	1 00
B-850	McEwen's, 3 widths, each	1 50

Gouges.

B-855	Plain, 3 widths, each	75
B-860	Brun's, straight, 3 widths, each	1 25
*B-865	Brun's, curved, 3 widths, each	1 35
*B-870	Doyen's, for perforating the skull, each	3 00
*B-875	Esmarch's, large, 19, 29, 33 mm. wide, each	4 00
B-876	Hand, curved, round head	1 00
B-877	Haslam's, 4 sizes, 3, 5, 7 and 9 mm. wide, each	1 25
B-880	McEwen's, straight, 3 widths, each	1 50
*B-885	Senn's, small, for pocket case, each	75
B-890	Szymanowsky's, large, each	2 25

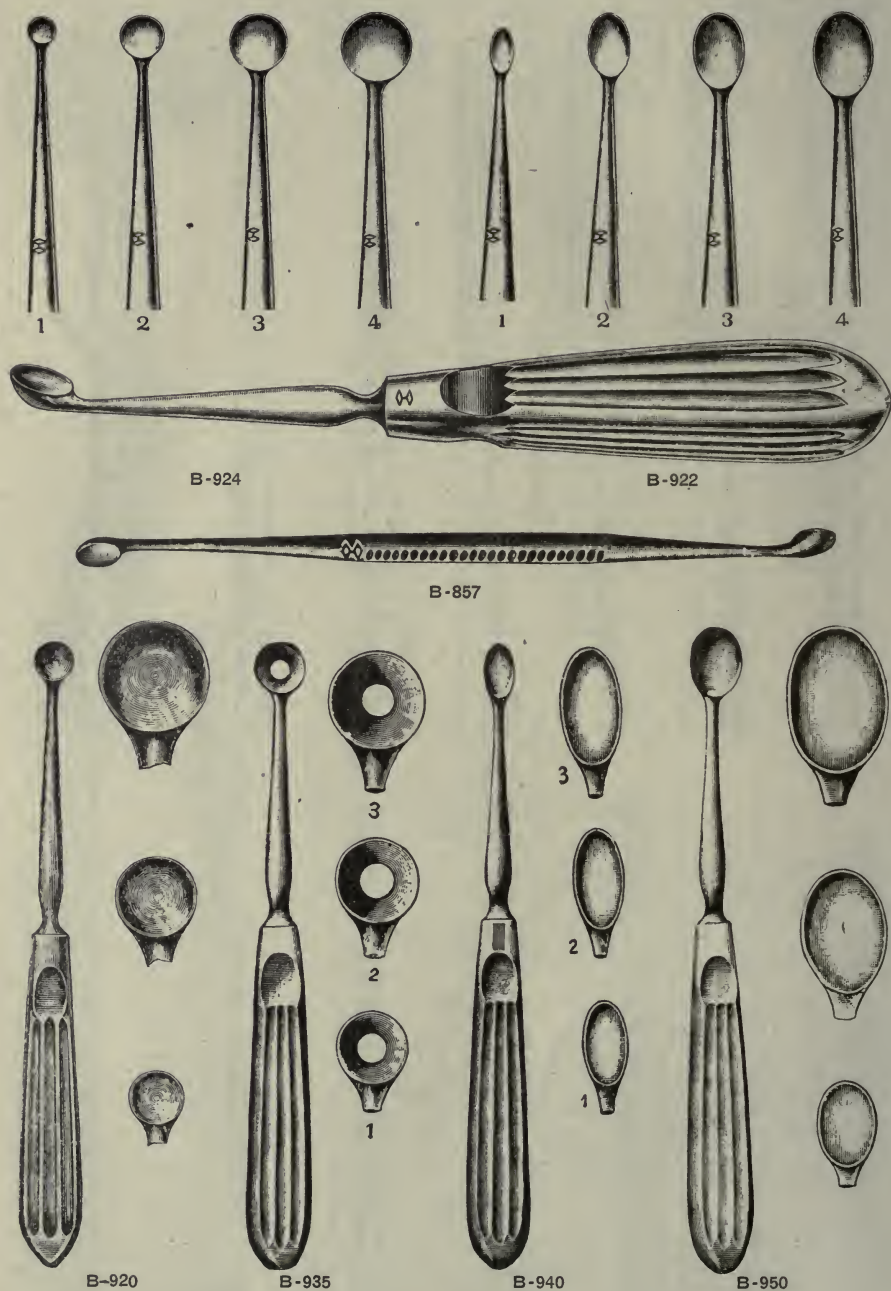
Mallets.

B-895	Lead filled, each	1 50
B-900	Doyen's, soft bronze, each	3 50
B-910	Morgan's, hard drawn copper, each	1 50
B-915	Rawhide, each	75

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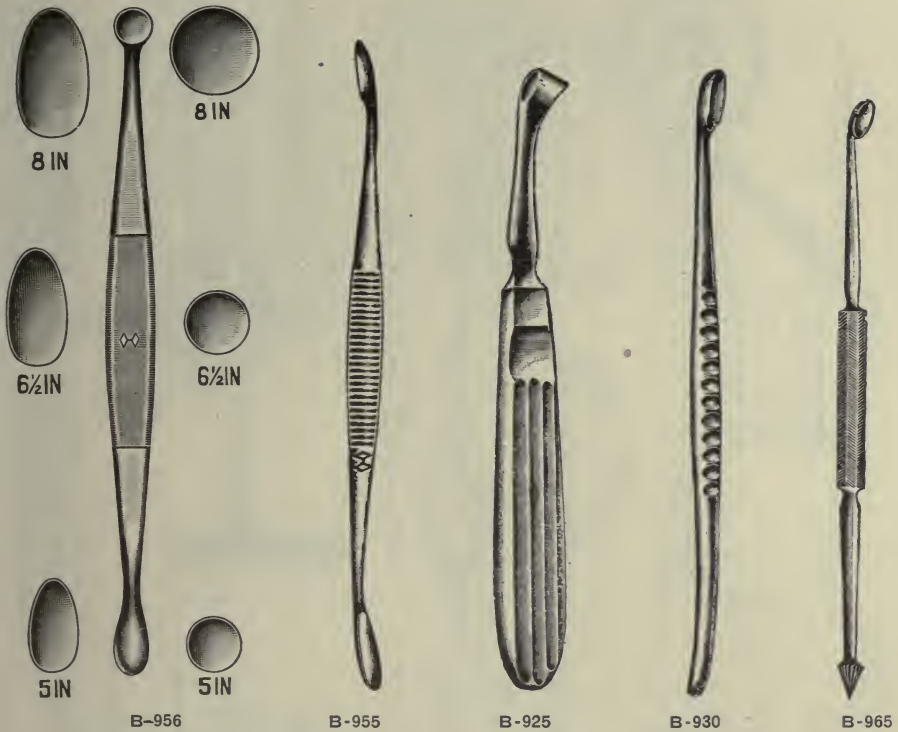
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Bone Instruments



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Bone Instruments



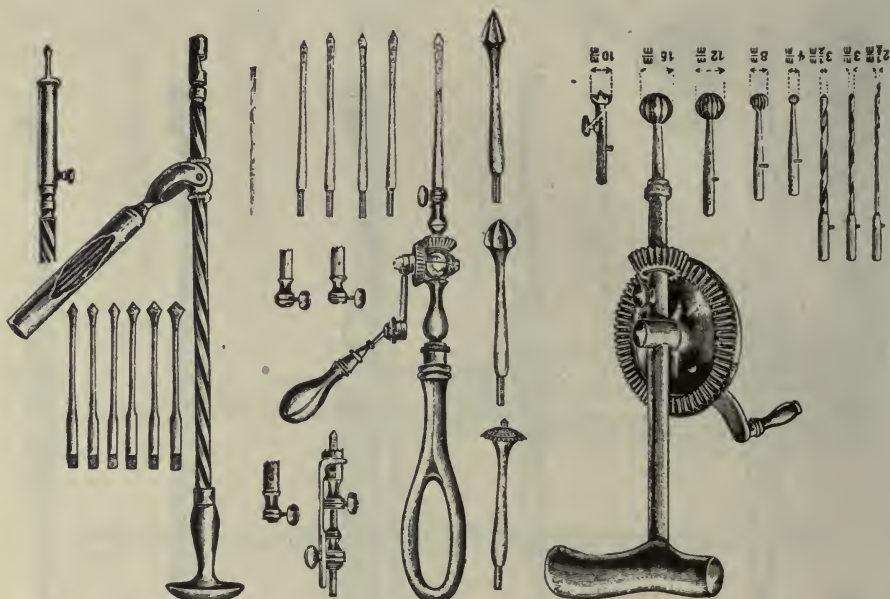
BONE CURETTES.

B-920	Brun's, 3 sizes, each.....	\$1 50
B-922	Buck's, oval, 4 sizes, for mastoid, each.....	1 50
B-924	Buck's, round, 4 sizes, for mastoid, each.....	1 50
B-925	Farabeuf's, curved, 1 size.....	1 75
B-930	Ferguson's, combined with pereosteotome.....	1 50
*B-932	Fowler's, double end	1 10
B-935	Luer's, 3 sizes, each	1 50
B-940	Schede's, 3 sizes, each	1 50
*B-945	Stille's, very large and heavy	3 75
B-950	Volkman's, 3 sizes, each	1 50
B-955	Volkman's, oval, double end, 4½ in., \$.65; 5 in., \$.75; 5½ in., \$.90; 6½ in., \$1.00; 7½ in.,	1 10
B-956	Volkman's, round and oval end, Haslam pattern, 5 in., \$1.00; 6½ in., \$1.25; 8 in.,	1 50
This curette is made right, is properly balanced, the design is correct and it does not want to be confused with the cheap patterns of this same instrument offered the profession by some dealers.		
B-957	Volkman's, round, double end, 8 in.....	1 15
*B-960	Volkman's, irrigating, 3 sizes, same design as B-950, each.....	2 75
B-965	Curette and Osteotrite	1 25

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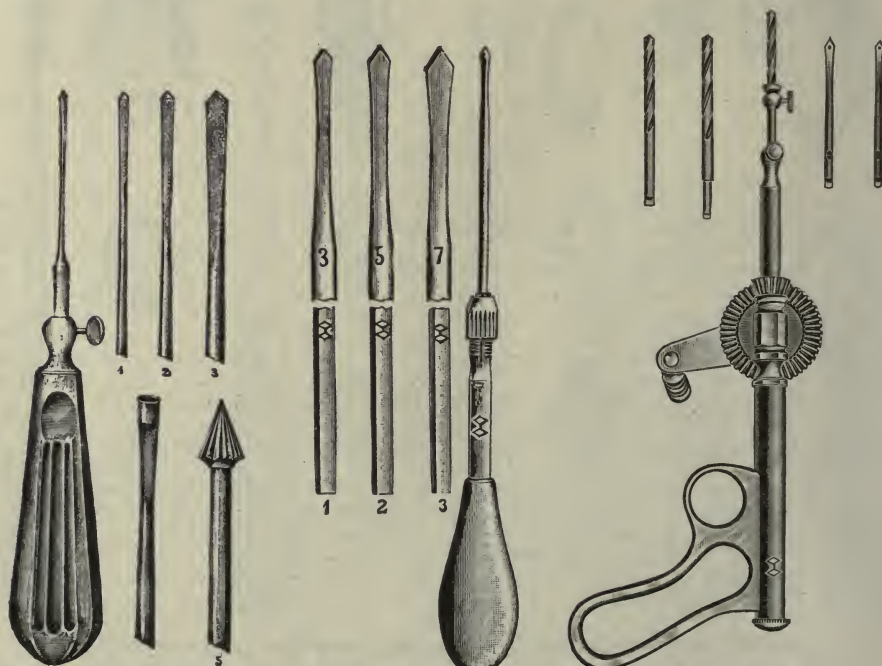
Bone Instruments



B-1000

B-990

B-1015



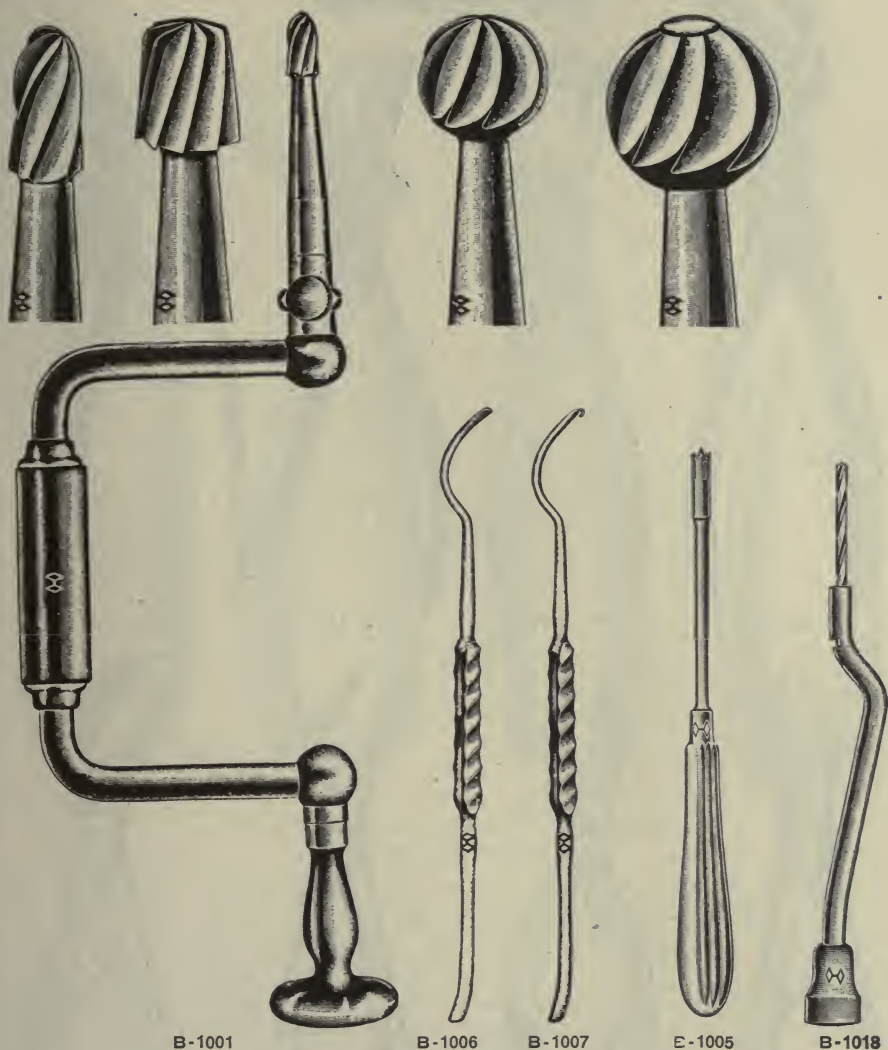
B-970

B-1003

B-1010

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 on items marked net.

Bone Instruments



B-1001

B-1006

B-1007

E-1005

B-1018

BONE DRILLS.

*B-967	Automatic, push drill, heavy, with drills in partitioned handle.....	\$7 00
B-970	Brainerd's, set of 5 drills.....	3 00
*B-975	Brainerd's, set of five drills, with hollow metal handle for holding drills...	3 50
*B-980	Buck's, set of 3 drills.....	3 00
*B-985	Collin's, set of 3 drills, in metal case.....	13 50
B-990	Collin's, set of 5 drills, 3 burr heads and 4 crowns, in metal case.....	22 50
*B-995	Gaillard's, for ununited fractures.....	2 00
B-1000	Hamilton's, with 6 drills, hollow metal handle for carrying drills.....	3 50
B-1001	Hudson's, set of 4, cranial, burrs are illustrated full size, pet set.....	40 00
B-1002	Huntingdon-Lane Bone Drill, extra heavy, with screw driver.....	7 50
B-1003	Lane's, set of 3 drills, with solid metal handle.....	3 50
B-1005	Pope's, antrum	2 50
B-1010	Richter's, pistol grip, set of 6 drills, with hollow metal handle for carrying drills	6 00
B-1015	Stille's, set of 3 drills, 4 burrs and 1 crown.....	20 00
B-1018	Swivel, with swivel head, can be held and turned with one hand.....	2 00
B-1006	Elevator, Hudson's, double end	3 00
B-1007	Elevator and wire saw conductor, Hudson's.....	3 50
*B-1008	Marking Compass, Hudson's	2 25

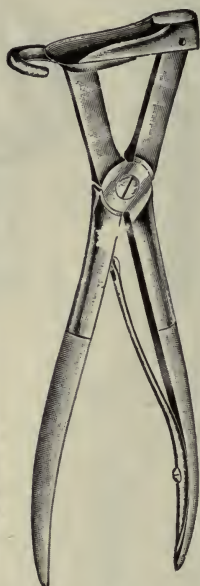
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Bone Instruments



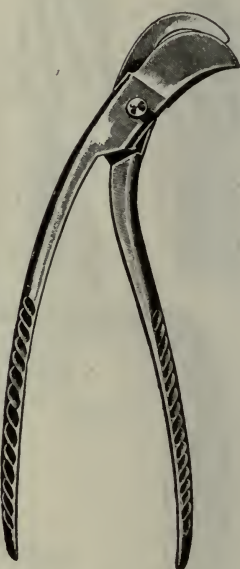
B-1015



B-1120



B-1105



B-1109



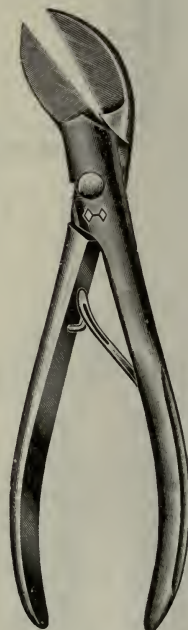
B-1020



B-1022



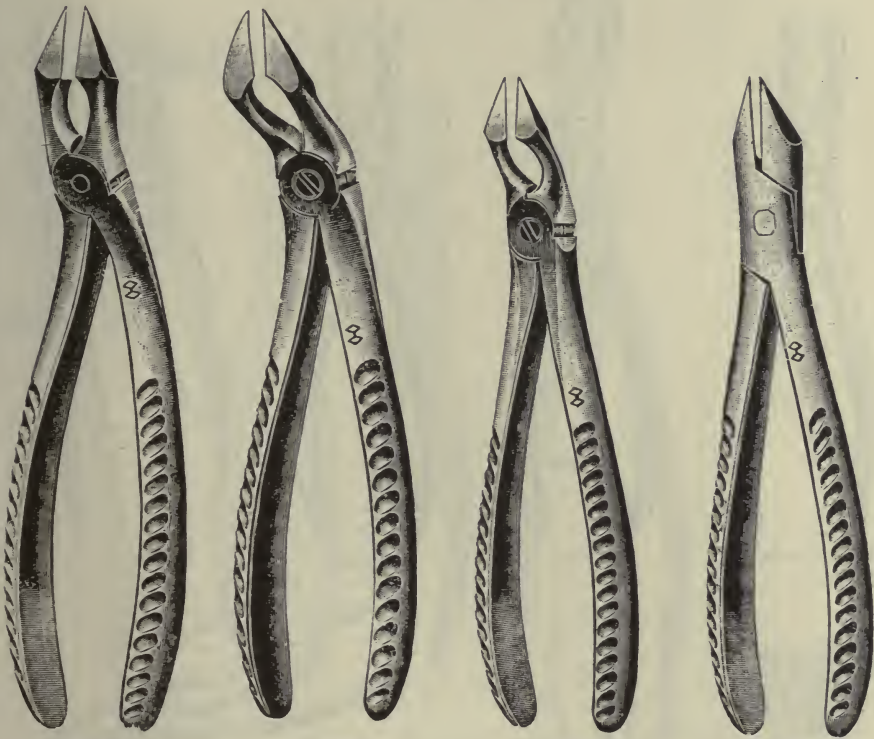
B-1035



B-1040

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Bone Instruments



B-1082

B-1075

B-1080

B-1070

BONE CUTTING FORCEPS AND SHEARS.

Bone Cutting Forceps.

B-1020	Liston's, straight, 5½ in., \$2.00; 6¾ in., \$2.25; 7¾ in., \$2.50; 8¾ in., \$2.75	
	9½ in., \$3.25; 10½ in., \$3.50	\$3 50
B-1022	Liston's straight, improved form of handle, with spring as shown in B-1020, 5½ in., \$2.25; 6¾ in., \$2.50; 7¾ in., \$2.75; 8¾ in., \$3.00	3 00
B-1035	Liston's, curved on flat, 6¾ in., \$2.25; 7¾ in., \$2.50; 8¾ in., \$3.00	2 75
B-1040	Liston's, angular, 7 in., \$2.75; 8¾ in., \$3.25	3 25
*B-1045	Liston's, bayonet shape, (Isaac's)	4 00
*B-1050	Liston's, straight, 11 in.	6 00
*B-1055	Liston's, curved on flat, 11 in.	6 00
*B-1060	Liston's, angular, 11 in.	7 50
*B-1065	Horsley's, curved on flat, 7½ in.	3 75
B-1070	Horsley's, straight, fine strong prismatic points, 7 in.	4 00
B-1075	Horsley's, with crank bend, acute angle, fine prismatic points, 7¾ in.	4 00
B-1080	Horsley's, with crank bend, fine prismatic points, 7 in.	3 75
*B-1081	Horsley's with double bend, 10½ in. long.	5 50
B-1082	Horsley's, with double bend, 7¾ in. long.	4 00
*B-1090	Satterlee's	3 00
*B-1095	Velpeau's, maxillary	4 00

Bone Shears.

B-1100	Collins', full curved, rib.	\$4 50
B-1105	Gluck's, small, rib.	3 50
*B-1110	Gluck's, large, rib.	3 75
B-1115	Mathieu's, full curved, rib.	5 00
B-1120	Shoemaker's, rib	12 00

Note.—Special patterns of bone forceps made to order.

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Bone Instruments



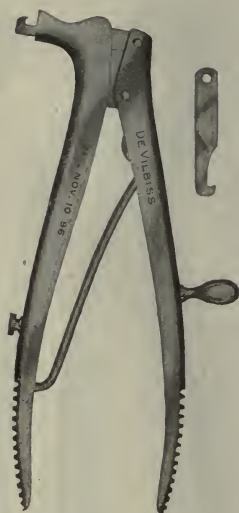
B-1130



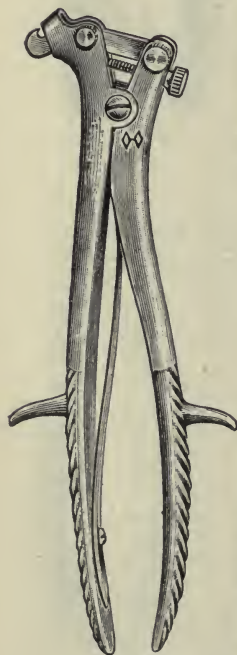
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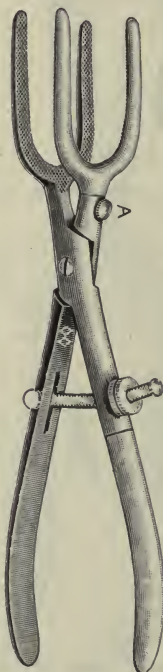
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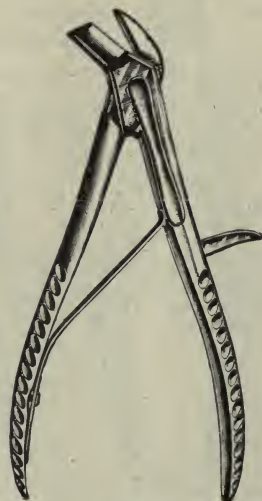
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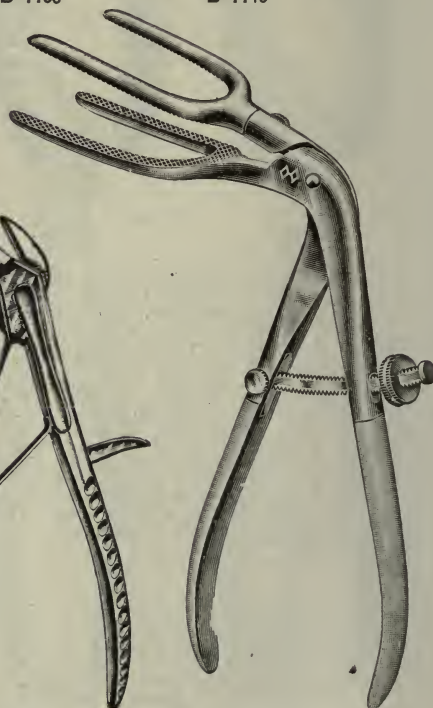
B-1158



B-1179



B-1155



B-1178

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Bone Instruments



BONE GOUGING AND HOLDING FORCEPS.

Bone Gouging Forceps.

*B-1125	Ceccherelli's, (Bernay's groover).....	\$4 50
B-1130	Darby's	3 50
*B-1135	Doyen's, cranial	4 00
B-1140	De Vilbiss', cranial	5 00
*B-1145	Esmarch's, with 1 in. jaw	5 50
*B-1150	Esmarch's, with $\frac{3}{4}$ in. jaw	4 50
B-1155	Hoffman's, angular	3 50
*B-1156	Hoffman's, straight	3 00
*B-1157	Hopkin's, cranial	3 50
*B-1158	Hudson's, cranial	20 00
*B-1159	Keen's, cranial and spinal	4 50
B-1160	Luer's, straight	2 75
B-1165	Luer's, curved, made only with spring as shown in B-1160.....	3 00
B-1170	Stille's, cranial	3 50

Bone Holding Forceps.

B-1175	Ferguson's, lion jaw	3 00
*B-1176	Hamilton's, with ring handles	2 25
*B-1177	Hamilton's, heavy	4 00
B-1178	James', angular, for holding bone plate and bone at same time.....	6 50
B-1179	James', straight, for holding bone plate and bone at same time.....	6 50
B-1181	Lane's, 12 in.	6 50
*B-1180	Ollier's, lion jaw	4 00
*B-1185	Sequestrum, straight	2 25
*B-1190	Sequestrum, curved	2 50
B-1195	Sequestrum, Van Buren's	2 50
*B-1200	Toe Nail Forceps,, Post's	2 25

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Bone Instruments



B-1215



B-1265



B-1270



B-1280



B-1295



B-1250



B-1230



B-1275



B-1260



B-1240



B-1290



B-1255



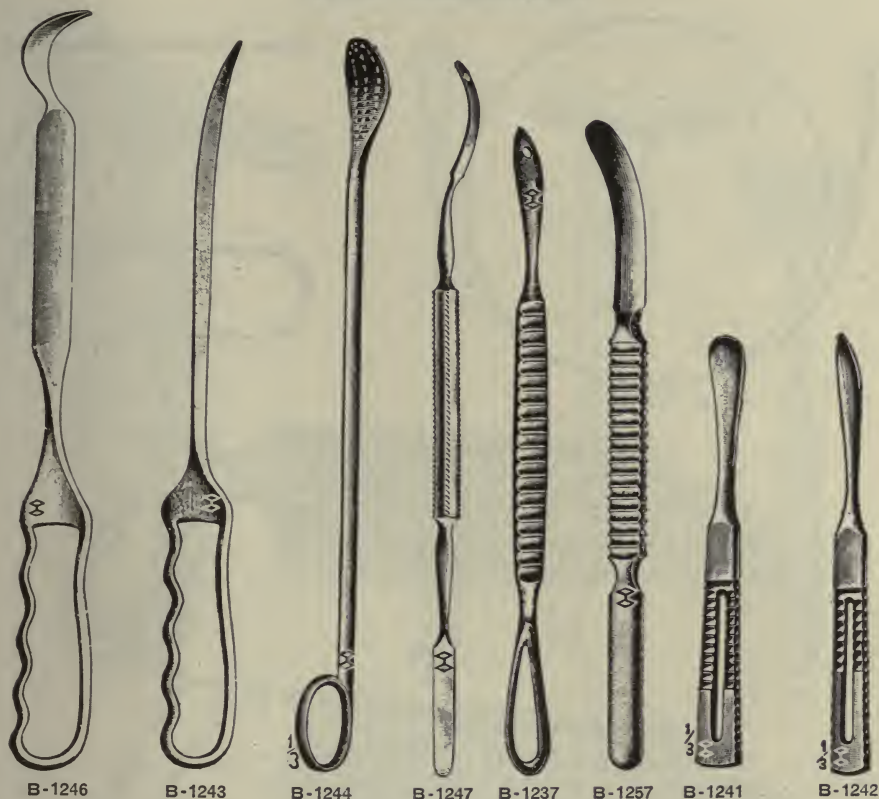
B-1245



B-1285

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Bone Instruments



AMPUTATING KNIVES.

B-1205	Liston's, short blade	\$2 50
B-1210	Liston's, medium blade	3 00
B-1215	Liston's, long blade	3 25
B-1220	Catlin's, double edge, short blade	3 00
B-1225	Catlin's, double edge, medium blade	3 25
B-1230	Catlin's, double edge, long blade	3 50
*B-1235	Langenbeck's, flap, 4-inch blade	2 25

PEREOSTEAL ELEVATORS.

B-1237	Adams', dry dissector, double	1 25
B-1240	Allis'	50
B-1241	Lane's, detacher or elevator, broad	1 50
B-1242	Lane's, detacher or elevator, narrow	1 50
B-1243	Lane's, detacher and dissector, sharp pointed	2 00
B-1244	Lane's, elevator or retractor	2 00
B-1246	Lane's, elevator and guard combined	3 50
B-1247	MacDonald's, double ended dissector	1 25
B-1245	Massachusetts General Hospital Pattern	1 50
B-1250	Sand's, with scalpel	1 75
B-1255	Sayre's, double ended, blunt	1 00
B-1257	Watson-Cheynes's, double ended dissector	1 00

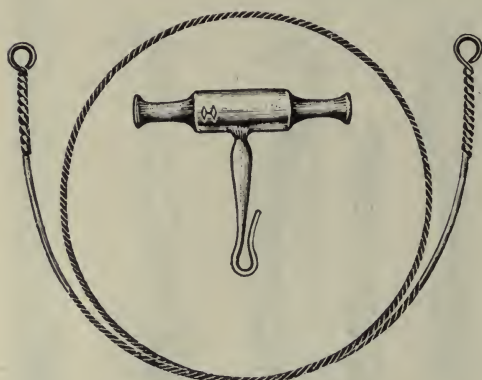
RASPARTORIES.

B-1260	Doyen's, for costal periosteum	2 25
B-1265	Langenbeck's, angular bent	1 25
B-1270	Langenbeck's, hook shape	1 25
B-1275	Mathieu's, straight, \$1.25; convex, \$1.50; concave	1 50
B-1280	Ollier's, round	1 50
B-1285	Ollier's, knife shape	1 75
B-1290	Sayre's, double ended, sharp	1 00
B-1295	Sedillot's	1 35

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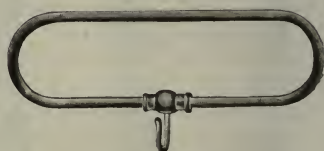
Bone Instruments



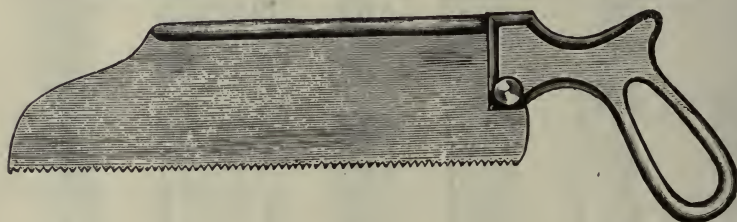
B-1335-1350



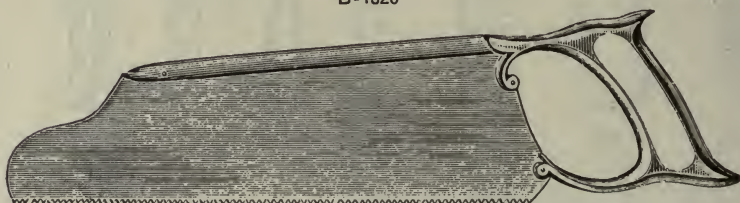
B-1370



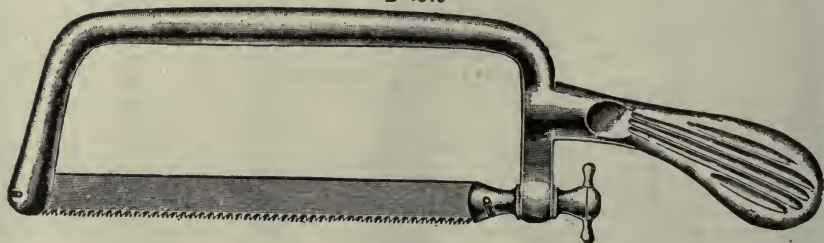
B-1355



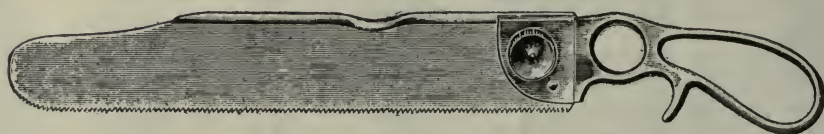
B-1320



B-1310



B-1305



B-1300

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Bone Instruments



B-1333



B-1325



B-1322



B-1330

Capital Saws.

B-1300	Charriere's, 6 in., \$1.50; 7 in., \$2.00; 8 in., \$2.25; 9½ in.....	\$2 50
B-1305	Charriere's, bow, with 2 blades.....	5 00
B-1310	Parker's	2 75
*B-1350	Reiner's, bow, American pattern	4 50
B-1320	Satterlee's	2 50

Metacarpal Saws.

B-1322	Charriere's, with lifting back	1 75
B-1325	Langenbeck's, plain	1 25

Skull Saws.

*B-1327	Doyen's, with guard	7 50
B-1330	Hey's	2 00
B-1332	Masland's, complete with shaft and sheath, without motor.....	50 00
B-1333	Masland's, complete with shaft and sheath, with 110 volt direct current motor	85 00

Wire Saws and Handles.

B-1335	Gigli's, 12 in.....	35
B-1340	Gigli's, 20 in.....	50
B-1345	Gigli's, 30 in.....	75
B-1350	Handles, fine, per pair.....	1 50
B-1355	Handles, plain, per pair.....	1 00
*B-1360	Conductor, plain	1 50

Chain Saws.

*B-1365	Jeffrey's	6 00
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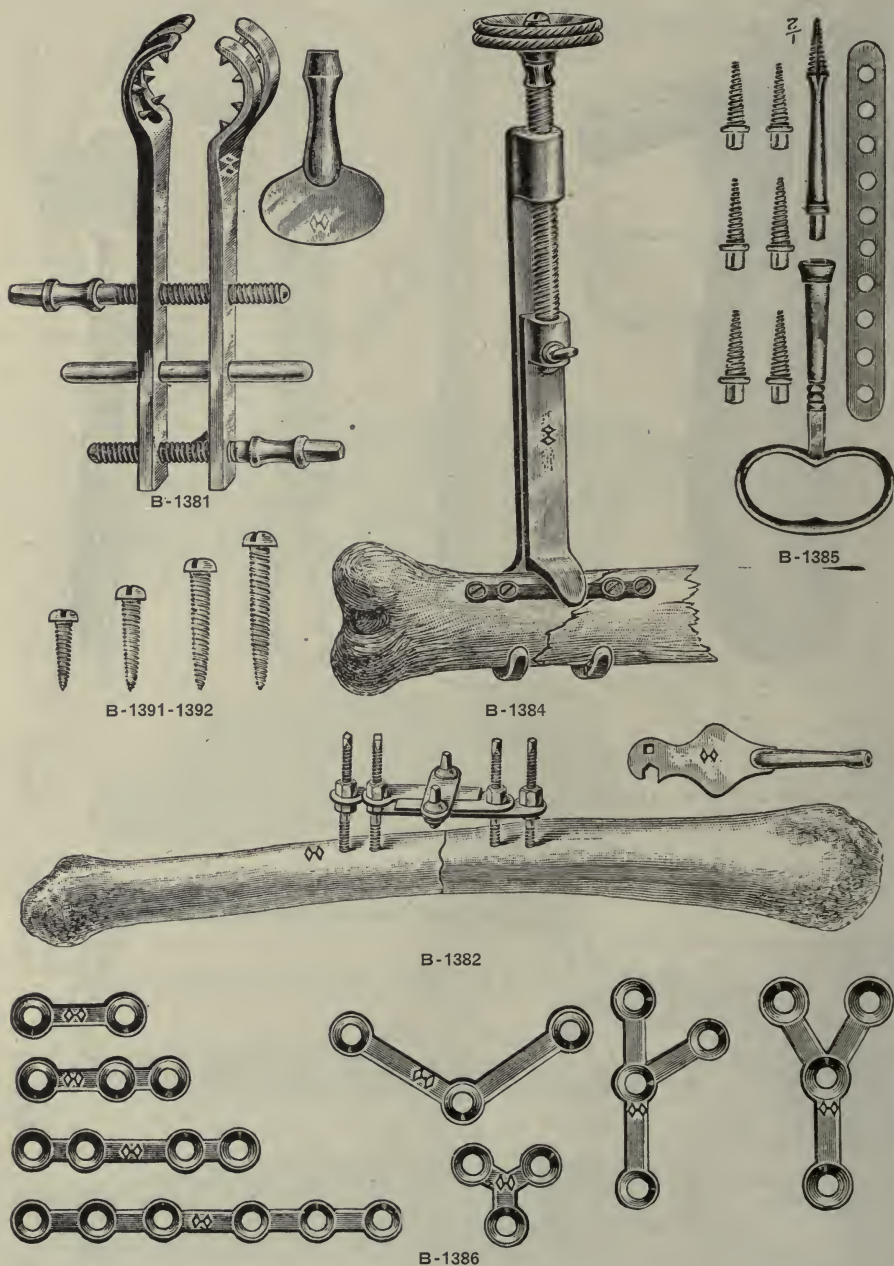
Nails and Bone Plates.

B-1370	Steel Nails, for transfixion of bones.....each	30
B-1375	Steel Pegs, for transfixion of bones, Schede's	50
*B-1380	Ivory Pegs, for transfixion of bones.....dozen	2 50
*B-1372	Steel Staple, Huntington's	25

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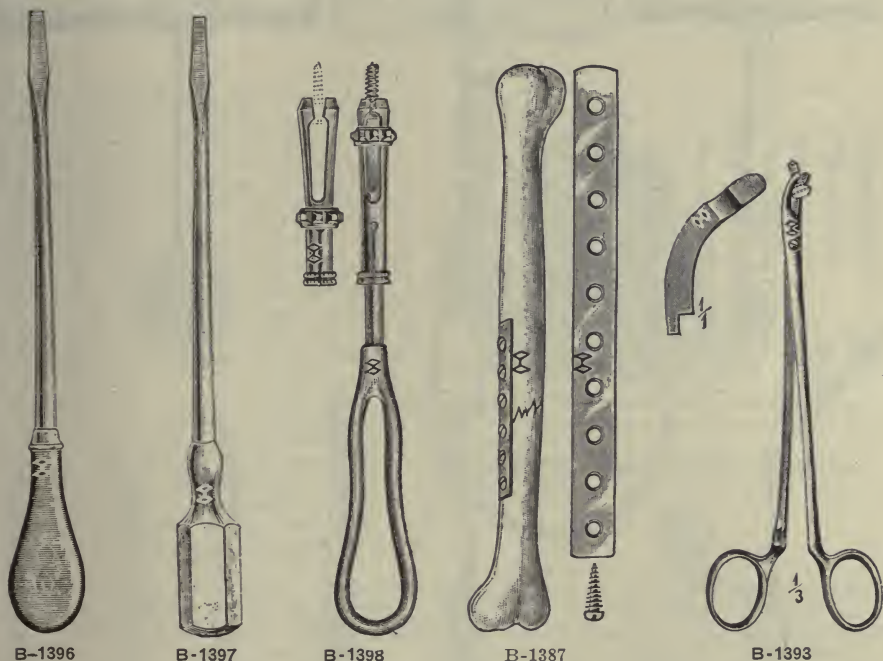
Bone Instruments



QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Bone Instruments



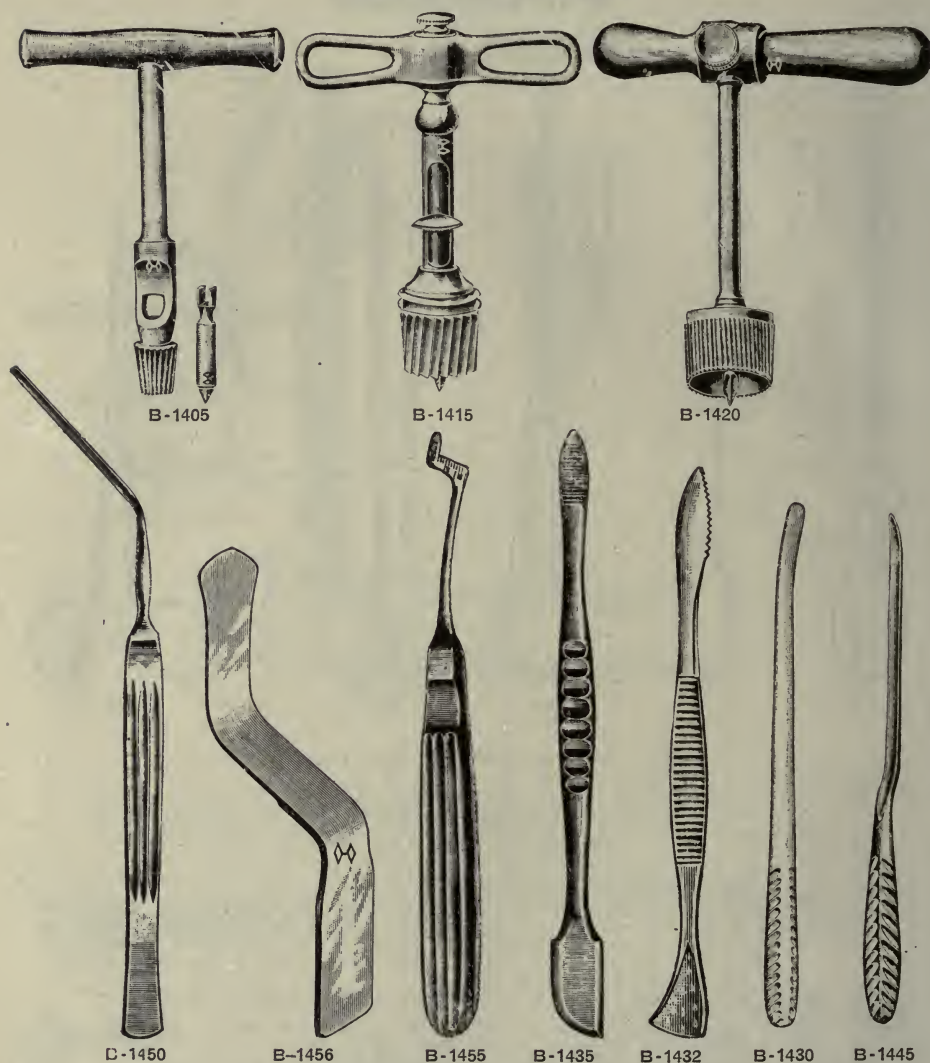
BONE CLAMPS, FORCEPS AND HOLDERS.

- B-1381 Bone Clamp, Biddle's, for ununited fractures, intended to remain in position until union has been established. No. 1, E. W. $\frac{3}{4}$ in., I. D. $\frac{1}{2}$ in., \$5.00; No. 2, E. W. 1 in., I. D. $\frac{3}{4}$ in., \$5.50; No. 3, E. W. $1\frac{1}{2}$ in., I. D. $\frac{3}{4}$ in., \$6.00; No. 4, E. W. 2 in., I. D. 1 in., \$7.00; No. 5, E. W. $2\frac{1}{2}$ in., I. D. 1 in. \$7 50
- B-1382 Bone Clamp, Parkhill's, silveroid, 3 sizes, each. 5 00
- B-1384 Bone Holder, Lowman's. 7 50
- It holds the fracture in closest apposition and, at the same time, holds firmly the plate awaiting the introduction of the screws. The instrument possesses the additional advantages of being easily applied, of destroying but very little of the periosteum, and of disturbing but little the surrounding tissues.
- B-1386 Bone Plates, Lane's, all sizes and shapes; circular showing complete set mailed upon request. From \$.50 to \$1.00 each.
- B-1387 Bone Plates, Martin's, silver, $\frac{1}{2}$ x2 in., \$1.00; $\frac{1}{2}$ x3 in., \$1.25; $\frac{3}{4}$ x2 $\frac{1}{2}$ in., \$1.25; $\frac{3}{4}$ x3 $\frac{1}{2}$ in., \$1.50; $\frac{11}{16}$ x3 in., \$1.50; $\frac{11}{16}$ x4 in. 1 75
- B-1385 Bone Plates, Sick's, silver, with 6 metal screws and 1 steel key. 7 00
- B-1390 Bone Plates, Sick's, German silver, with 6 metal screws and 1 steel key. 3 75
- B-1391 Bone Plate Screws, silver, $\frac{3}{16}$ in., \$.45; $\frac{1}{2}$ in., \$.50; $\frac{5}{8}$ in., \$.60; $\frac{3}{4}$ in. 70
- B-1392 Bone Plate Screws, silver plated, $\frac{3}{8}$ in. to $\frac{1}{2}$ in., per doz., \$.50; 1 in. to $1\frac{1}{2}$ in., per doz. 75
- B-1393 Screw Holding Forceps, Lane's, scissor handle. 3 00
- *B-1394 Screw Holding Forceps, Lane's, plier handle. 3 00
- B-1396 Screw Driver, Lane's, hollow metal handle. 1 25
- B-1397 Screw Driver, Lane's, solid octagon handle. 1 50
- B-1398 Screw Driver and Holder, Lentz's. 3 50
- The clamp may be removed from the driver after the screw has taken hold, thus permitting the assistant to insert another screw while the operator completes the driving of the previous one.
- *B-1399 Silver Wire, pure, heavy, per yard, No. 14, \$2.25; No. 16, \$1.50; No. 18.... 1 00

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Cranial Instruments



TREPPANNING INSTRUMENTS.

*B-1395	Brush	\$0 50
*B-1400	Trephine, Buchanan's	2 25
B-1405	Trephine, De Vilbiss'	1 50
*B-1410	Trephine, Doyen's, brace, with 5 trephines.....	16 50
B-1415	Trephine, Galt's, 3 sizes.....	2 50
B-1420	Trephine, Robert's, 3 sizes.....	3 75
B-1422	Trephine, Wood-Stellwagen's, for osteoplastic resection of the skull, with 1 knife blade and 3 saw blades, complete.....	20 00
*B-1425	Tireford, or Bone Screw.....	75
B-1430	Elevator, Buchanan's	75
B-1432	Elevator, plain	75
B-1435	Elevator, with raspatory	75
*B-1440	Hook, Buchanan's	75
B-1445	Separator, Buchanan's	1 00
B-1450	Separator, Horsley's	1 25
B-1455	Mensurator, Doyen's	2 00
B-1456	Spatula, Keen's, brain, steel, reinforced.....	1 50

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on items marked net.

Bone Instruments

Victor Bone Surgery Engine

Knowing that lack of power has been a great draw-back in some of the engines previously devised for work in bone surgery, we decided to use for the purpose a motor having not only all power required, but a considerable surplus besides. The motor is capable of developing one-fifth h. p. and will stand a considerable over load if necessary. It is especially constructed for this purpose, being wound for proper speed, quiet in operation and in every way well adapted to the work.

The hand piece or tool holder, is of very simple construction, strong, durable and can easily be sterilized, this latter feature being a very important one. The power is transmitted from the motor to the hand piece by means of a strong yet very flexible cable contained in a neatly braided sheath covering.

In the cutting instruments, themselves, we have followed, in the main, designs that have been gradually worked out in actual service and have been found the most practical. No. 1 is a twist drill, designed for drilling holes in bones and is used principally when it is desired to wire the ends of a broken bone together. No. 2 is a trephine, a very useful instrument, the chief function of which is making the initial opening for an operation on the skull.

No. 3 is an osteotome, designed to cut on the end and sides. This instrument is intended to be used after the initial opening has been made, to elongate the opening; in fact it operates in practically the same manner as a saw, excepting that it is a perfectly safe instrument to use, there being no danger of injury to the soft tissues underlying the brain case, and at the same time it can be easily guided in the desired direction. It cuts rapidly, freely, and the deep spirals between the cutting edges cause it to clear itself as it cuts.

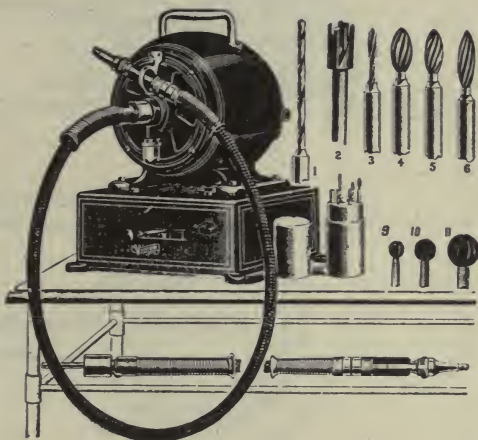
No. 4 and 5 are elongated burrs. They will penetrate bone very readily, and their principal use is for cutting laterally and to cut away as much of the bone as may be desired. They are not to be used, however, for drilling through the skull, as owing to their shape, they would be likely to cause injury to underlying tissue.

No. 6 is a spiral osteotome with a drill point. It will cut either on the end or sides. The other uses for these cutters will readily suggest themselves to the experienced surgeon.

No. 8 shows a guard in position when No. 2 trephine is being used; this guard can be set so that the trephine will cut to any desired depth, a positive stop then preventing its cutting any deeper.

Nos. 9, 10 and 11 are spherical burs, very useful in trimming, beveling, cleaning cavities, etc.

A complete set of directions accompany each outfit—these directions minutely describing the method of operation and the care of every portion of the engine.



Price of engine complete as shown complete with all cutters arranged for 110

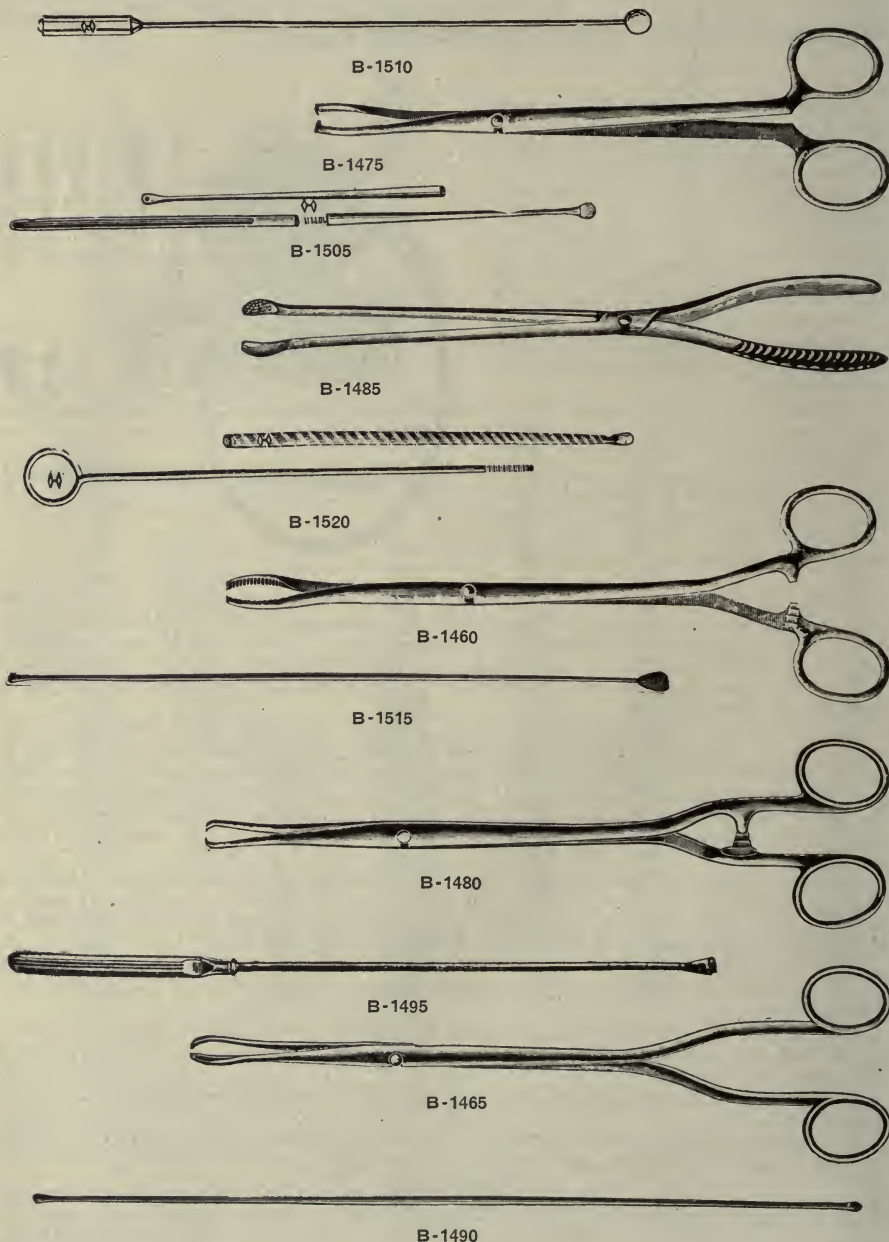
V. D. C.-----\$115 00

Price arranged for A. C.-----125 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 5% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Bullet Instruments

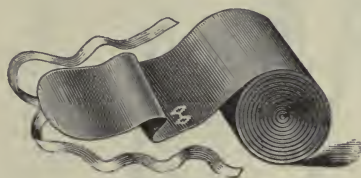


QUALITY GUARANTEED.—Specify section letter and number in ordering.
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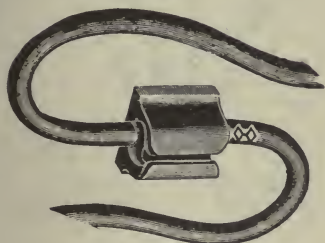
Bullet Instruments and Torniquets



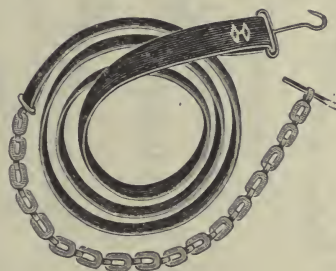
B-1555



B-1542



B-1544



B-1535

BULLET FORCEPS.

B-1460	Collin's	\$2 00
B-1465	Gross'	1 50
*B-1467	Hamilton's	3 00
*B-1468	Moses', bullet extractor.....	3 00
*B-1470	Reiner's, with 4 prongs.....	2 50
B-1475	Senn's	2 00
B-1480	Tiemann's, with catch.....	1 50
B-1485	U. S. Army Pattern.....	1 50
*B-1487	U. S. Army Pattern, model of 1908.....	1 00

BULLET PROBES.

B-1490	Bulb, each end, all metal, plated, 8 in., \$.50; 10 in., \$.60; 12 in.....	\$ 75
B-1495	Burr Head	1 50
B-1500	Fluhrer's, aluminum	75
B-1505	Hamilton's, with director.....	1 00
B-1510	Nelaton's, porcelain head, with handle.....	50
B-1515	Nelaton's, double end	75
B-1520	Spiral, flexible, jointed.....	1 00
B-1525	U. S. A. Pattern, silver, 8 in., \$.75; 10 in., \$1.25; 12 in.....	1 75

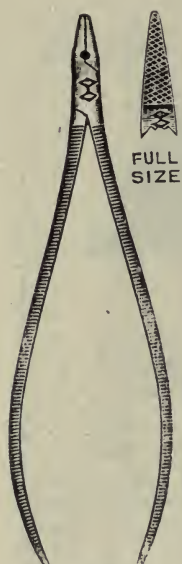
TORNQUETS.

*B-1530	Brewer's, 24 in. pure gum cord, nickel plated clamp.....	1 00
B-1535	Esmarch's, strap and chain.....	1 00
*B-1540	Esmarch's, strap and chain, with heavy pure gum bandage.....	3 50
B-1542	Esmarch's, bandage of heavy pure rubber, 10 1/2 ft.....	2 50
B-1544	Instantaneous, with hard rubber clamp and solid rubber cord.....	1 00
*B-1545	Lee's	1 50
*B-1550	Pettit's, spiral	1 75
B-1555	U. S. A. Pattern, 36 inches long, pure gum tubing.....	75

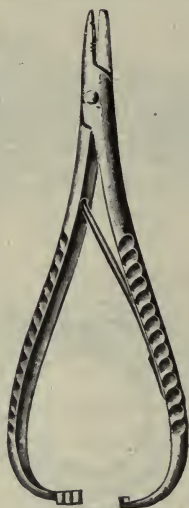
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General Operating



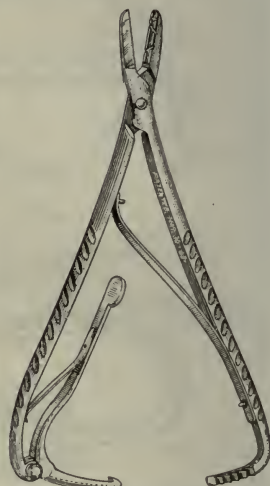
B-1565



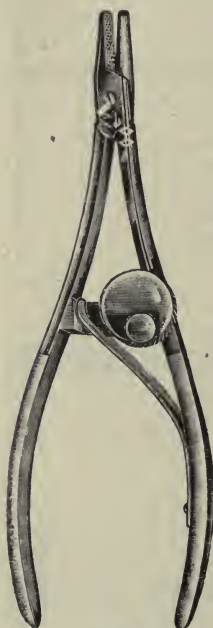
B-1605



B-1560



B-1562



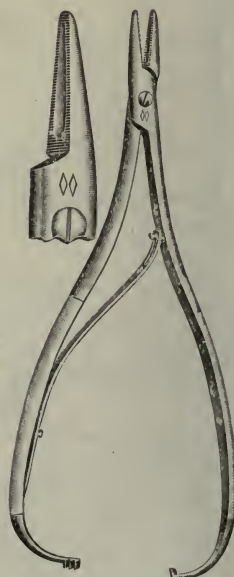
B-1557



B-1595



B-1610



B-1606

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General Operating



NEEDLE HOLDERS.

B-1557 Brown's \$3 75

One of the most simple and durable needle holders made. It has no ratchet to get out of order; will not tear rubber gloves, catch thread or ligature; will hold any size of needle firmly; will not break needles; is perfectly noiseless; can be used with either hand; can be used as a needle holder or a needle forceps, which is a great advantage and saving of time as three-fourths of the stitches can be taken better and much faster without using the catch.

B-1560 Clayton's	1 75
B-1562 Clayton's, with release catch	2 50
B-1565 Crile's	2 00
B-1570 Emmet's	2 25
*B-1580 Ferguson's, with scissor handle and round shanks	3 50
*B-1582 Green's	3 50
B-1585 Hegar's, with scissor handle, 6 in., \$1.25; 8 in.....	1 50
*B-1590 Langenbeck's, 6½ in., \$1.50; 8 in.....	1 75
B-1595 Kelly-Miller's	3 50
B-1605 Mathieu's, 4½ in., \$1.25; 5 in., \$1.25; 5½ in., \$1.50; 7 in., \$1.75; 7½ in., \$1.75; 8 in.	2 00
B-1606 Mathieu-Stark's, Haslam pattern	1 75
B-1608 Mayo-Hegar's, with box joint	2 50
B-1610 McBurney's, 8 in.	3 00
B-1615 Murphy's, 10 in., narrow, pointed jaws	3 50
*B-1617 Murphy's, 10 in., with release catch	4 50
B-1620 Reiner's, with guard, to prevent the tearing of rubber gloves.....	4 50
B-1622 Rochester Needle Pulling Forceps	1 60

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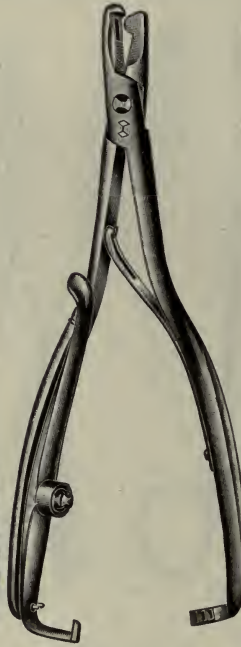
General Operating



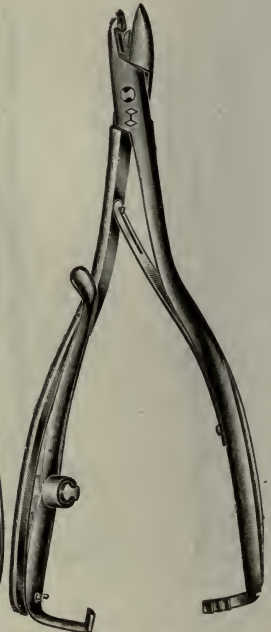
B-1625



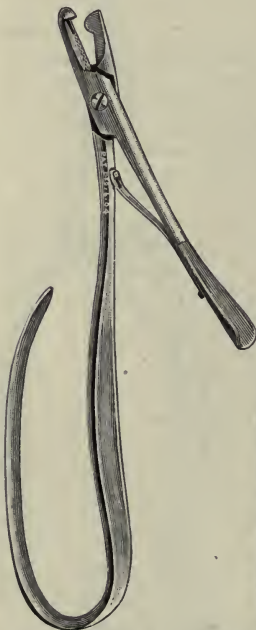
B-1630



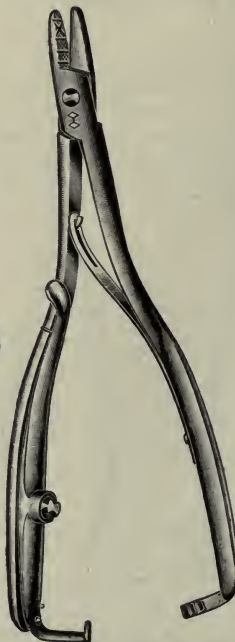
B-1635



B-1640



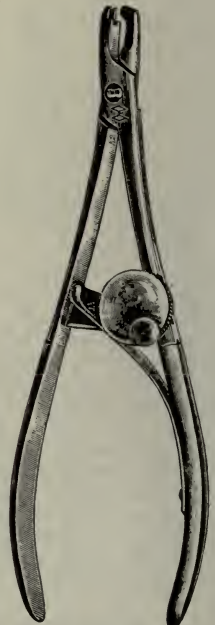
B-1645



B-1642



B-1652



B-1641

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General Operating

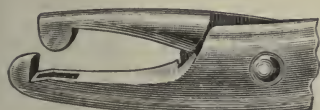


Fig. A. Shows Jaws Open

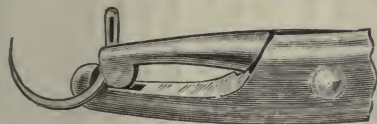
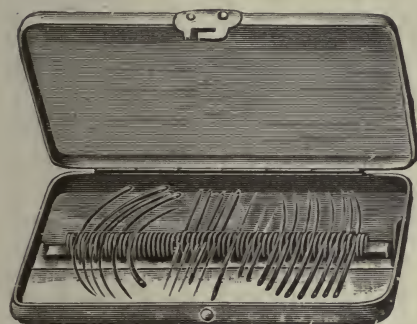
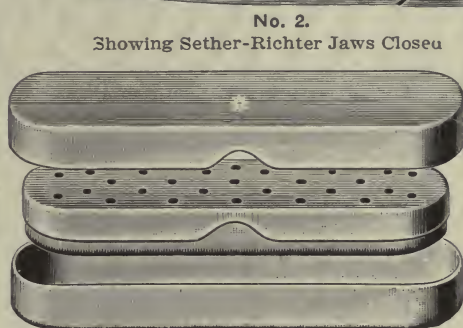


Fig. B. Shows Jaws Grasping Needle



B-1656



B-1667

RICHTER NEEDLE HOLDERS.

The Richter Needle Holders have attained, since their introduction several years ago, a popularity accorded to no other instrument of similar character. They have given the most satisfactory results wherever used.

The construction of the jaw of this instrument is shown in Fig. A, and the method of grasping and holding the needle in Fig. B. In a later construction, a grasping point has been added to the regular Richter jaw (see B-1630), in order to facilitate the grasping of the smallest needle point when exposed through the tissue. The jaws will hold any style of needle perfectly, whether round, flat or square. Every holder is forged by hand and carefully tempered.

An improved catch has also been added to the instrument as originally made (see B-1365.) This catch, or rather release catch, permits the releasing of the needle at any point on the catch, in this manner eliminating the danger of breaking the needle by undue pressure when releasing.

NEEDLE HOLDERS.

B-1625	Richter's, original pattern	net	\$3 50
B-1630	Richter's, original pattern, with grasping point.....	net	4 50
B-1635	Richter's, with improved release catch	net	5 00
B-1640	Richter's, with grasping point and improved release catch.....	net	5 00
B-1641	Richter-Brown's, with Brown revolving lock	net	5 00
B-1642	Richter-Mathieu's, with improved release catch	net	4 50
B-1645	Mayo-Richter's	net	4 50
*B-1650	Mayo-Richter's, with grasping point	net	4 50
B-1652	Sether-Richter's, 5½ in., \$4.50; 7 in., \$5.00; 8 in.....	net	5 00
B-1654	Sether-Richter's, improved release catch, 7 in.....	net	5 50

NEEDLE BOXES.

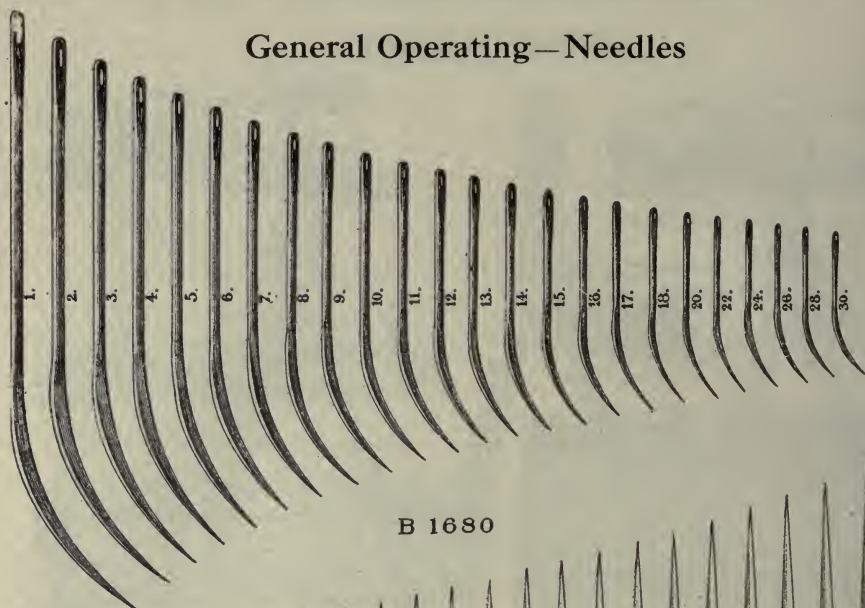
*B-1655	Rectangular Form, with spiral spring for needles.....	75
B-1656	Rectangular Form, with 2 dozen assorted needles.....	1 50
*B-1660	Round Form, with compartments for needles.....	75
*B-1655	Rectangular Form, with spiral spring for needles.....	75
B-1667	Clayton's, rectangular, with inner perforated box for sterilizing.....	1 25

This container is made up of two separate boxes, the inside box having a perforated top and bottom. Needles to be used can be left in this box, placed in sterilizer and boiled.

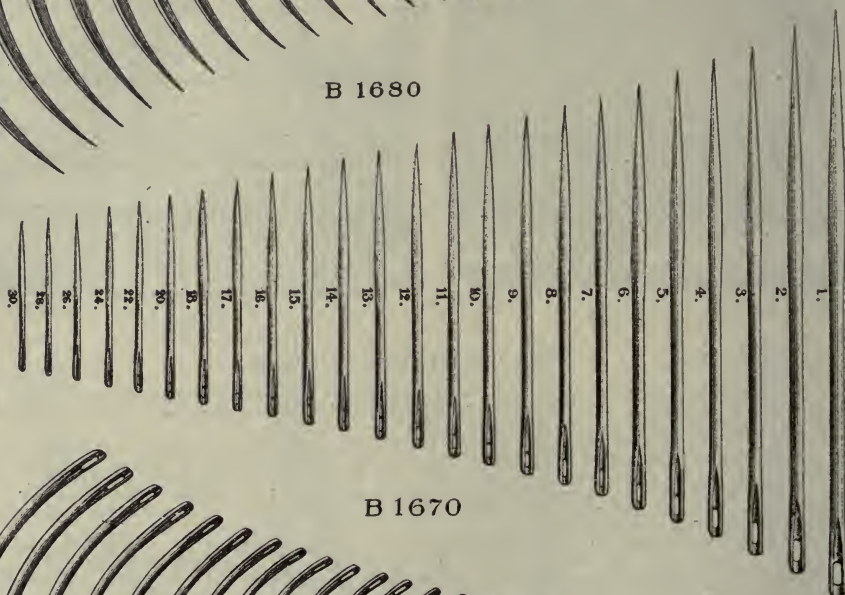
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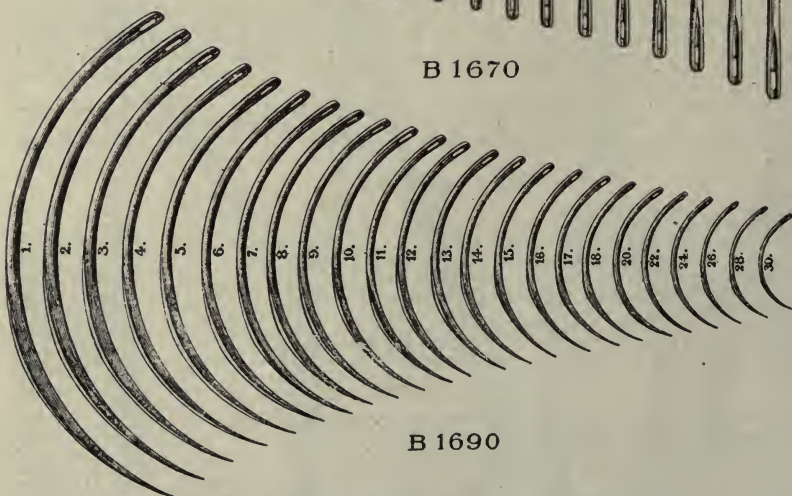
General Operating—Needles



B 1680



B 1670



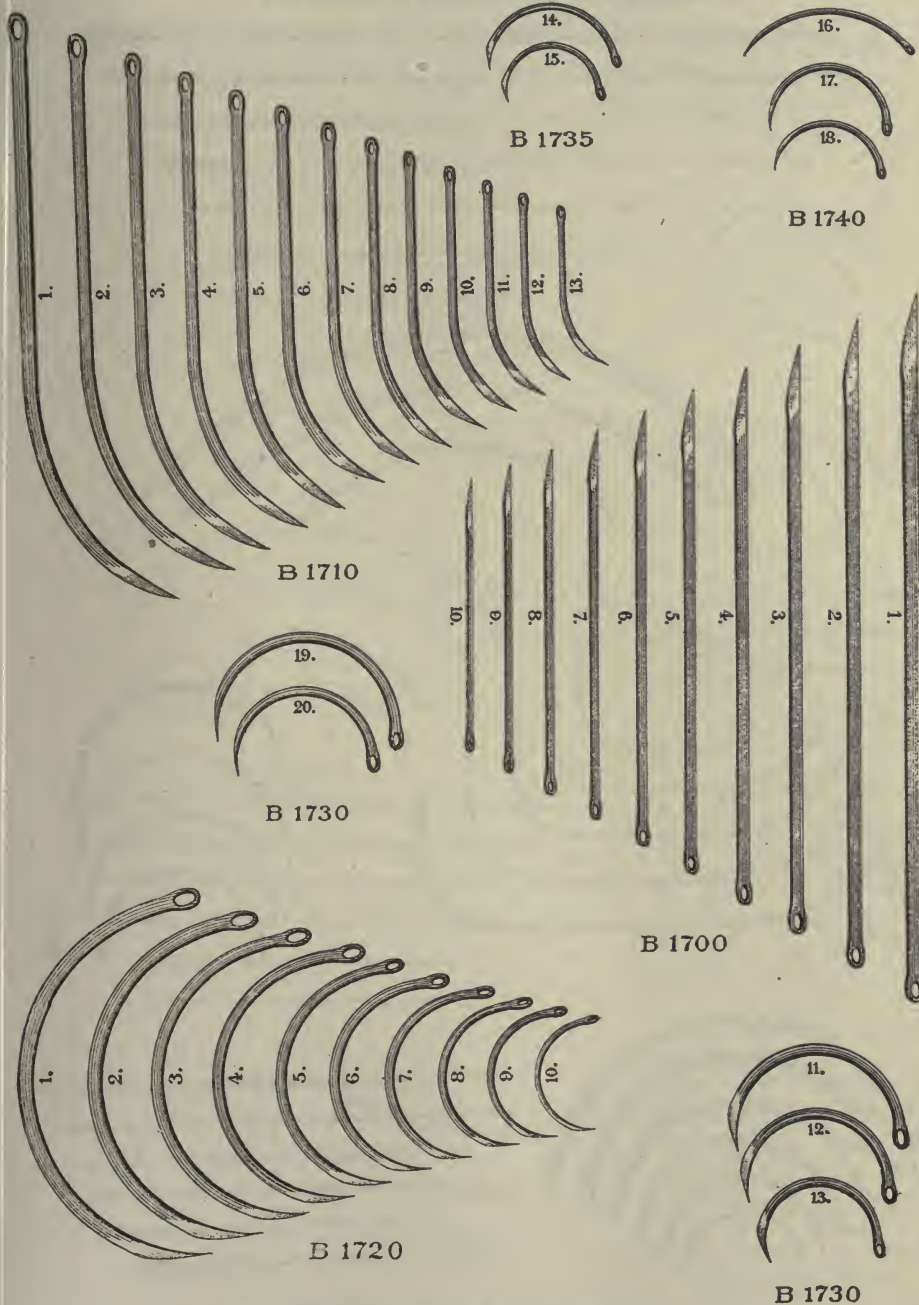
B 1690

Illustrations show full size of needles.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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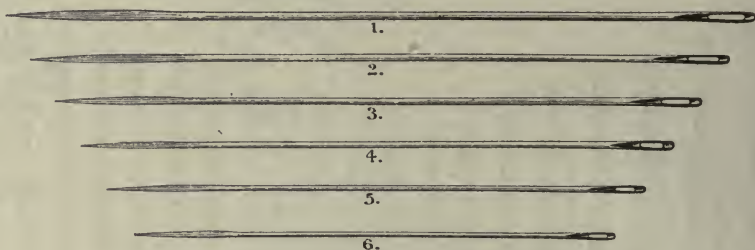
General Operating—Needles



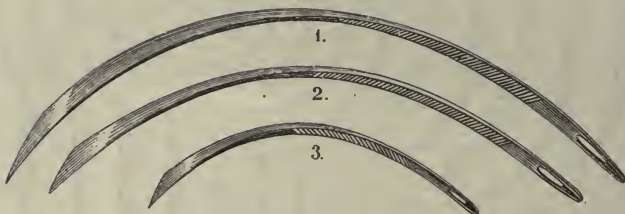
Illustrations show full size of needles.

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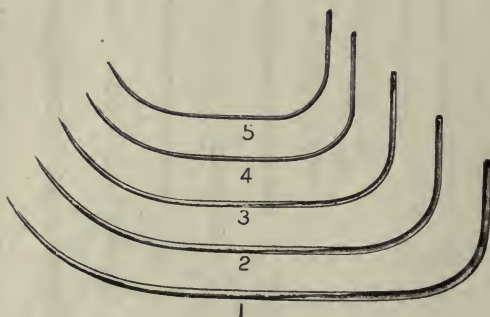
General Operating—Needles



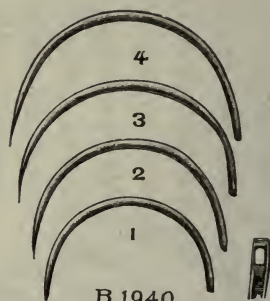
B 1860



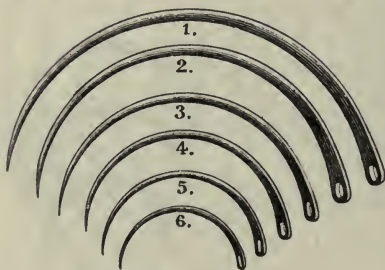
B 1760



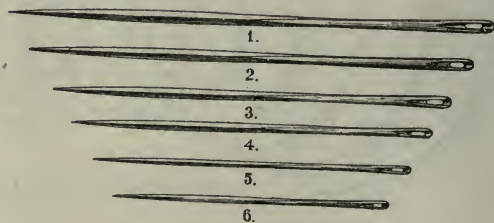
B 1930



B 1940



B 1815



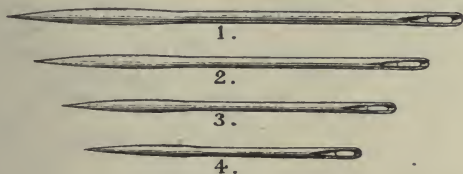
B 2025

Illustrations show full size of needles.

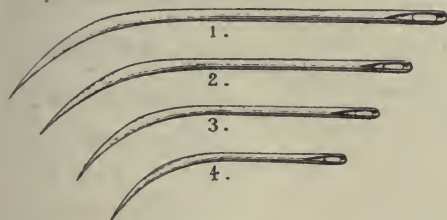
QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

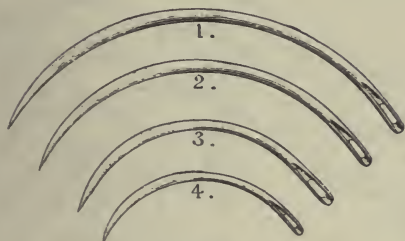
General Operating—Needles



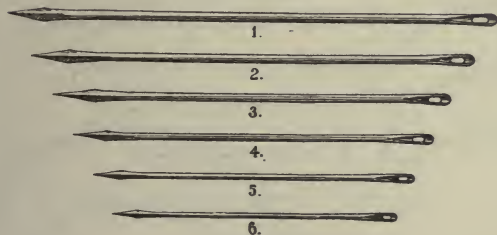
B 1990



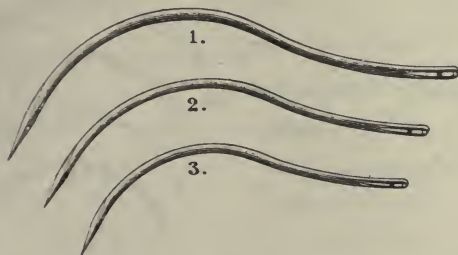
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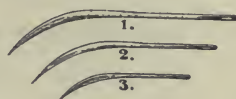
B 2000



B 1915



B 1845



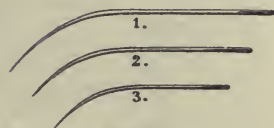
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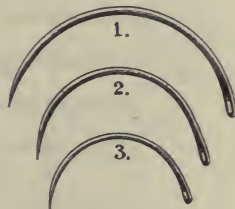
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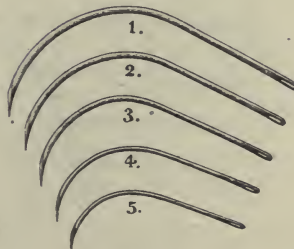
B 1900



B 1890



B 1920



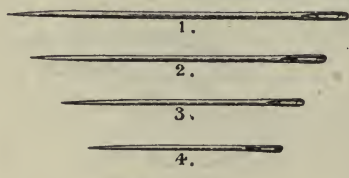
B 1910

Illustrations show full size of needles.

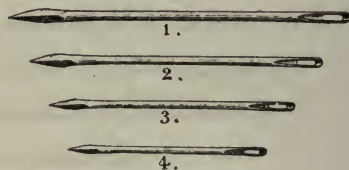
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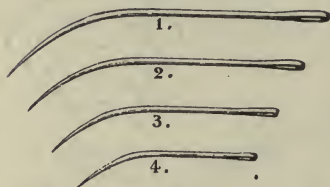
General Operating—Needles



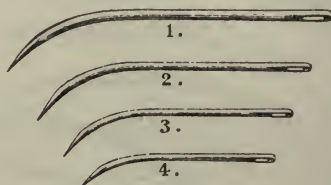
B 1765



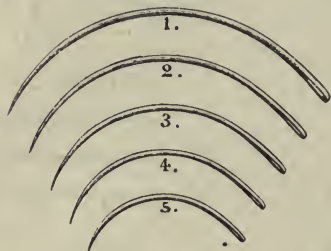
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B 1770



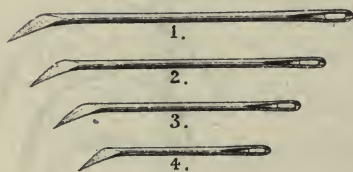
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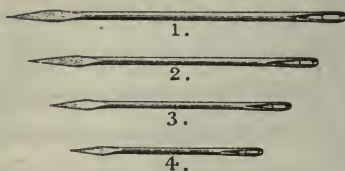
B 1775



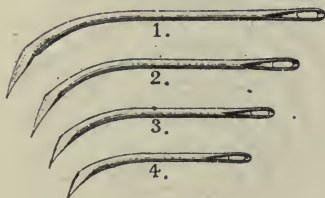
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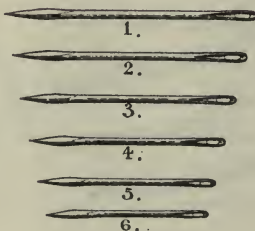
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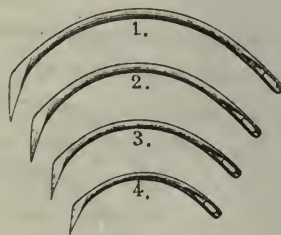
B 2020



B 2035



B 2005



B 2040

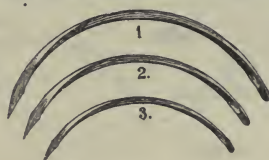
Illustrations show full size of needles.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating—Needles



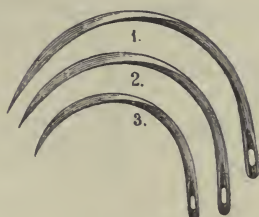
B 1870



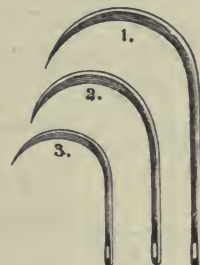
B 1840



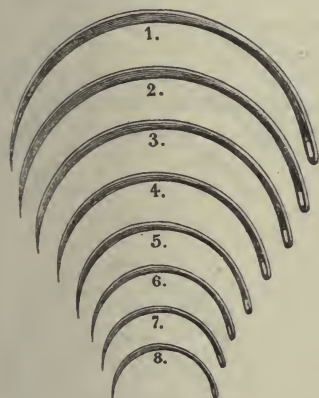
B 1835



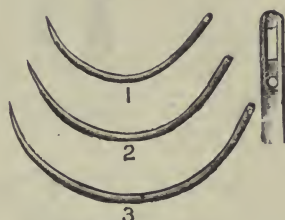
B 1875



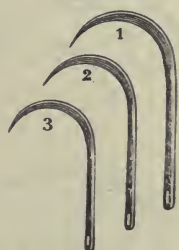
B 1925



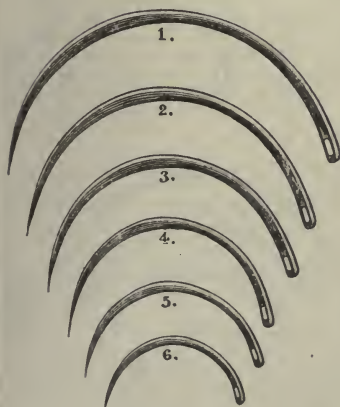
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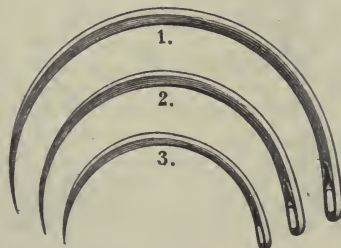
B 1850



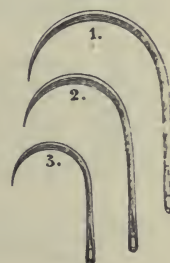
B 2022



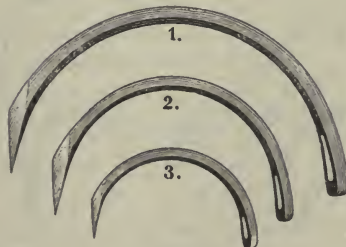
B 1830



B 1935



B 1885

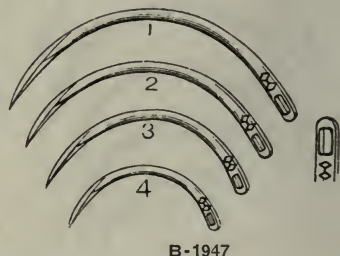
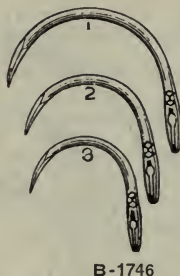
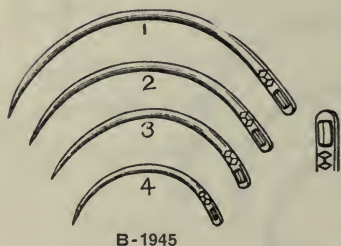
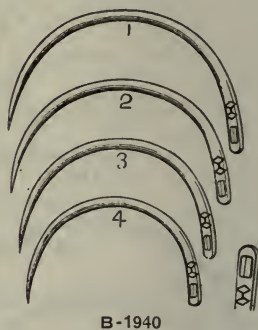
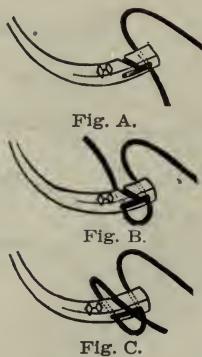
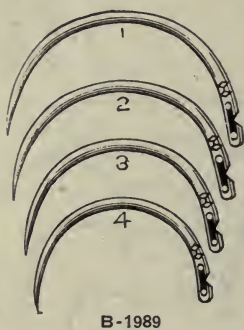
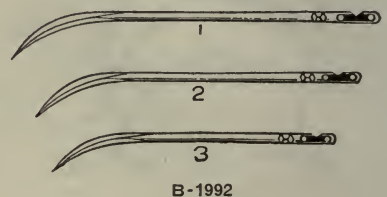
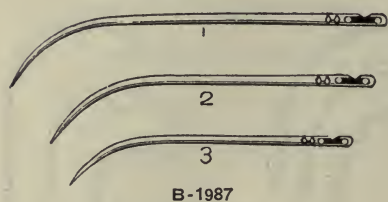
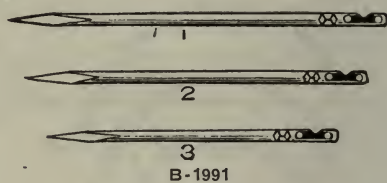
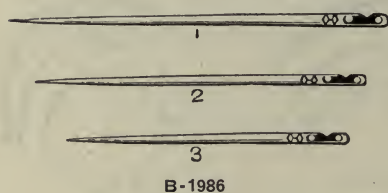


B 1985

Illustrations show full size of needles.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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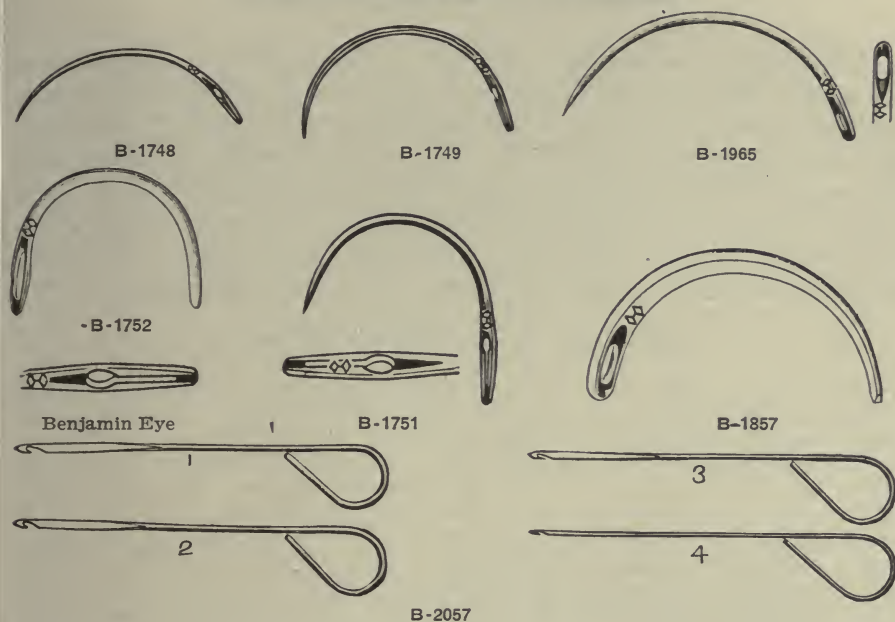
General Operating—Needles



Illustrations show full size of needles.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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General Operating—Needles



SANDERS' PATENT NEEDLES.

The Sanders' Self-Locking Eye (See page 146, Figs. A, B, and C) prevents the thread from slipping out of the needle while sewing, tying and in other manipulations, thereby saving valuable time which would be consumed threading the needle during operation.

It also allows the needle to be used nearer the end of the catgut or other suture material, therefore it saves material.

The security of the needle to the thread eliminates the danger of losing the needle in the abdominal cavity or dropping it during interruptions in the sewing or while tying knots, etc.

DIRECTIONS FOR THREADING.

(1) Pass the thread through the end eye going from the inside of the curve to the outside (Fig. A). (2) Pass it back through the other eye in the opposite direction, which forms a loop (Fig. B). (3) Pass the short end of the thread along the helical groove in the side of the needle and go through the loop (Fig. C). (4) Make traction on the long end of the thread and the lock is firmly established without forming a knot or other obstruction to hinder the threaded needle from passing easily through the tissues.

BENJAMIN NEEDLES.

Benjamin's needles are furnished with a special eye, which clasps the ligature and prevents it from slipping. The needle is threaded in the ordinary manner, and then by pulling the thread into the narrow part of the eye it is held firmly.

B-2057 SURGICAL NEEDLE THREADER.

With the aid of this instrument in threading needles much loss of time and consequent annoyance may be avoided. The threaders are made in different sizes, and by their use even the smallest needles may be quickly and easily threaded.

DIRECTIONS FOR THREADING.

Pass the hook of the threader through the eye of the needle. Grasp the suture with hook end and gently pull back. The threaded needle is then ready for use.

B-2057 Surgical Needle Threader, 4 sizes; per package of 1 dozen, assorted..... \$1 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating—Needles

Needles have become such an important item in the surgeon's armamentarium, that we have decided to give them more attention than they have had in the past, and to illustrate them in such a manner as to give their exact size, shape and weight. Our list will be found more complete than any heretofore published, and will be particularly useful to those surgeons desirous of making careful selections. Our needles are all made of the best tempered steel, with eyes as large as the body or shank of the needle will carry, facilitating greatly their quick threading.

PRICE LIST OF SURGEON'S NEEDLES.

		Per Doz.	
B-1670	Regular, straight	40	
*B-1675	Regular, straight, split eye.....	75	
B-1680	Regular, half curved	40	
*B-1685	Regular, half curved, split eye.....	75	
B-1690	Regular, full curved	40	
*B-1695	Regular, full curved, split eye.....	75	
B-1700	Hagedorn's, straight	60	
*B-1705	Hagedorn's, straight, with split eye.....	80	
B-1710	Hagedorn's, half curved	60	
*B-1715	Hagedorn's, half curved, with split eye.....	80	
B-1720	Hagedorn's, full curved	60	
*B-1725	Hagedorn's, full curved, with split eye.....	80	
B-1730	Hagedorn's, fistula, stout	60	
B-1735	Hagedorn's, fistula, thin	60	
B-1740	Hagedorn's, intestinal	60	
*B-1745	Hagedorn's, full curved, with reversed eye.....	60	
B-1746	Abraham's, with Benjamin eye	1 00	
*B-1747	Benjamin's straight, taper, 1 size.....	75	
B-1748	Benjamin's, $\frac{3}{4}$ circle curve, taper.....	75	
B-1749	Benjamin's, $\frac{1}{2}$ circle curve, cutting.....	75	
B-1751	Benjamin's, fish hook, taper.....	75	
*B-1750	Bonney's, full curved.....	1 25	
B-1752	DeGarmo's, hernia, full curved, one size.....	1 25	
*B-1755	Dibrell's, full curved, Hagedorn point and long eye.....	1 10	
B-1760	Doyen's, curved, to be used with fingers. gilt.....	2 50	
B-1765	Emmet's, straight, taper point....	} Made in Light Medium or Heavy Weights { } Specify in Ordering {	50
B-1770	Emmet's, half curved, taper point.		50
B-1775	Emmet's, full curved, taper point..		50
B-1780	Emmet's, straight, trocar point....		55
B-1785	Emmet's, half curved, trocar point.		55
B-1790	Emmet's full curved, trocar point.		55
B-1795	Eye, half curved		75
*B-1800	Eye, half curved, split eye.....		1 00
B-1805	Eye, full curved		75
*B-1810	Eye, full curved, split eye.....		1 00
B-1815	Ferguson's, full curved, with taper point.....		75
*B-1820	Ferguson's, full curved, with reversed Hagedorn point.....		80

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating—Needles

	Per Doz.
B-1825 Fistula, full curved, light	75
B-1830 Fistula, full curved, heavy	75
B-1835 Fistula, extra full curved, light	75
B-1840 Fistula, lesser curved, lance pointed	75
B-1845 Goodell's, perineal	85
B-1850 Harris', full curved, taper point, for wire.....	80
*B-1855 Henderson's, full curved, cutting edge, sizes Nos. 1 to 6.....	1 00
B-1857 Hernia, extra heavy	1 25
B-1860 Keith's, straight, abdominal	55
*B-1865 Kelly's, fistula	1 00
B-1870 Kelly's, gynaecic	1 00
B-1875 Kelly's, full curved, trachelorraphy, 3 sizes.....	1 00
*B-1880 Kelly's, full curved, intestinal, taper point, split eye, 3 sizes.....	75
B-1885 Koenig's, fish hook curve	75
B-1890 Intestinal, half curved, plain eye, taper point.....	55
*B-1895 Intestinal, half curved, split eye, taper point.....	75
B-1900 Intestinal, full curved, plain eye, taper point.....	55
*B-1905 Intestinal, full curved, split eye, taper point.....	75
B-1910 Intestinal, fish hook, plain eye, trocar point.....	75
B-1915 Lance pointed, straight	75
B-1920 Ligating, full curved, taper points	75
B-1925 Lister's, fistula	75
B-1930 Loopuyt's, half curved, to be used with fingers.....	2 40
B-1935 Martin's, full curved, uterine	75
B-1940 Mayo's, full curved, large square eye, taper point, 4 sizes, for catgut.....	75
B-1945 Mayo's, $\frac{3}{8}$ circle curved, large square eye, taper point, 4 sizes, for catgut..	75
B-1947 Mayo's, $\frac{3}{8}$ circle curved, large square eye, trocar point, 4 sizes.....	75
*B-1950 Mayo's, full curved, plain eye, taper point, intestinal, 3 sizes.....	55
*B-1955 McGowan's, full curved, taper point, 3 sizes	1 00
*B-1960 McGowan's, full curved, trocar point, 3 sizes	1 00
B-1965 Moynihan's, full curved, plain eye, taper point, for catgut, 1 size.....	75
B-1970 Moynihan's, full curved, split eye, taper point, intestinal, 1 size.....	80
*B-1975 Murphy's, full curved, cutting points, for trachelorraphy, 3 sizes.....	75
*B-1980 Murphy's, full curved, taper point, haemostatic, 1 size.....	75
B-1985 Packard's, full curved, cutting points, uterine, 3 sizes.....	85
B-1986 Sander's, straight, taper point	1 50
B-1987 Sander's, half curve, taper point.....	1 50
B-1988 Sander's, $\frac{3}{8}$ circle curve, taper point.....	1 50
B-1989 Sander's, half circle curve, taper point.....	1 50
B-1991 Sander's, straight, trocar point.....	1 50
B-1992 Sander's, half curved, trocar point.....	1 50
B-1993 Sander's, $\frac{3}{8}$ circle curve, trocar point.....	1 50
B-1990 Schnetter's, straight, uterine	70
B-1995 Schnetter's, half curved, uterine	70
B-2000 Schnetter's, full curved, uterine	70
B-2005 Sim's, straight, lance pointed, uterine	55
*B-2010 Sim's, half curved, lance pointed, uterine	55
*B-2015 Sim's, full curved, lance pointed, uterine	55
B-2020 Skene's, straight, trocar pointed, uterine	55
B-2022 Staphylorraphy, fish hook, sharp points	75
B-2025 Triangular, straight	40
B-2030 Uterine, straight, Hagedorn points, heavy.....	75
B-2035 Uterine, half curved, Hagedorn points, heavy.....	75
*B-2045 Webster's, straight, sizes Nos. 1 to 5.....	1 00
*B-2050 Webster's, half curved, sizes Nos. 1 to 5.....	1 00
*B-2055 Webster's, full curved, sizes Nos. 1 to 5.....	1 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



B-2065



B-2075



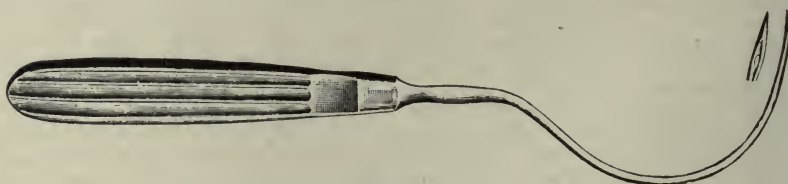
B-2080



B-2105



B-2100



B-2110



B-2085

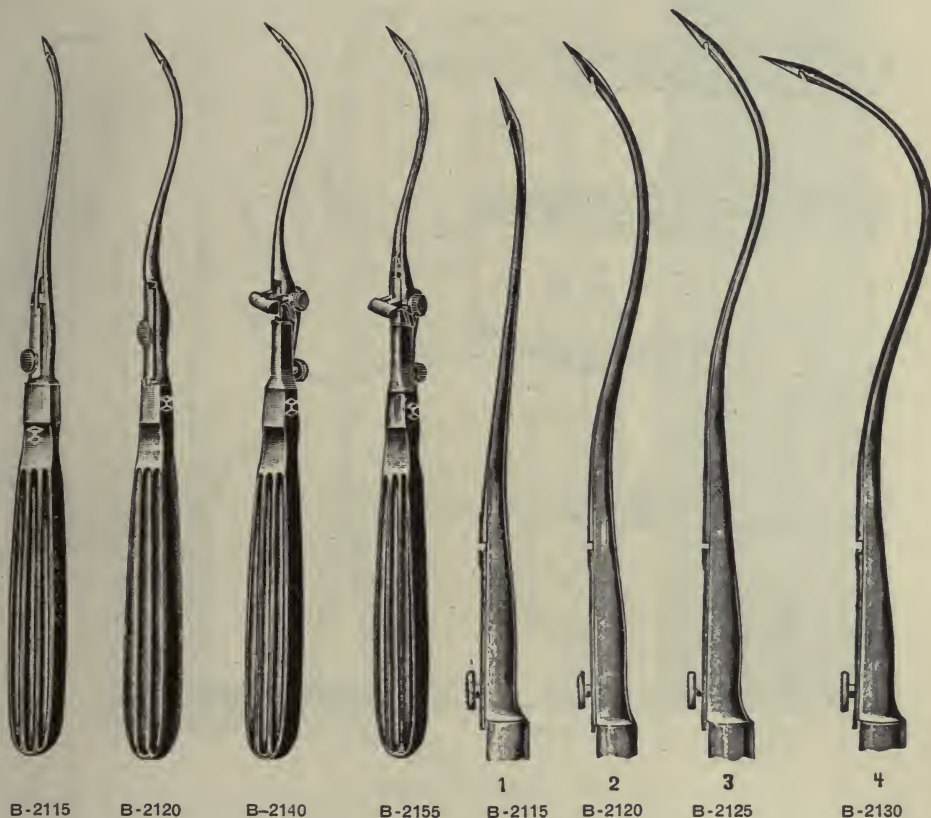


B-2095

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



LIGATURE NEEDLES.

B-2065	Billroth's, straight, heavy	\$1 50
*B-2070	Billroth's, half curved, heavy	1 50
B-2075	Carsten's, curved to right or left, blunt.....	1 25
B-2080	Davis', curved	1 25
B-2085	Deschamp's, curved to right or left, blunt.....	1 25
*B-2090	Deschamp's, curved to right or left, sharp.....	1 25
B-2095	Hahn's, curved to right or left, blunt.....	1 50
B-2100	Landau's, sharp, with Hagedorn eye.....	1 50
B-2105	Langenbeck's, curved, blunt	1 25
B-2110	Pean's, curved, sharp	1 50

SUTURE NEEDLES.

B-2115	Reverdin's, plain, sliding eye, curve 1.....	2 50
B-2120	Reverdin's, plain, sliding eye, curve 2.....	2 50
B-2125	Reverdin's, plain, sliding eye, curve 3.....	2 50
B-2130	Reverdin's, plain, sliding eye, curve 4.....	2 50
B-2135	Reverdin's, improved, automatic eye, curve 1.....	3 25
B-2140	Reverdin's, improved, automatic eye, curve 2.....	3 25
*B-2145	Reverdin's, improved, automatic eye, curve 3.....	3 25
*B-2150	Reverdin's, improved, automatic eye, curve 4.....	3 25
B-2155	Reverdin's, improved, automatic eye, Hagedorn point.....	3 75

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



B-2160



B-2215



B-2195



B-2200



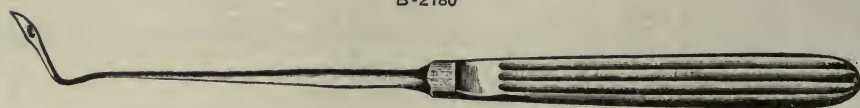
B-2170



B-2190



B-2180



B-2185



B-2212

B-2213

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



B-2240 B-2245 B-2250

B-2192

B-2210

B-2220

CERVIX NEEDLES.

B-2160	Carsten's, curved to right or left.....	\$1 50
*B-2165	Clark's, curved to right or left.....	1 25
B-2170	Greene's, curved to right or left.....	1 25
*B-2175	Jackson's, curved to right or left, set of 2.....	2 25
B-2180	Reverdin's, automatic eye, curved to right or left.....	6 50
B-2185	Spiral, curved to right or left.....	1 25
*B-2190	Wilson's, curved to right or left.....	1 25

GALL BLADDER NEEDLES.

B-2192	Jack's, set of 3, in one handle.....	4 00
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PERINEUM NEEDLES.

B-2195	Ashton's, plain	1 00
B-2200	Carsten's, curved to right or left.....	1 50
*B-2205	Clark's, curved to right or left.....	1 25
B-2210	Clark's, combined with cervix, one handle.....	2 00
B-2212	Dickinson's, Hagedorn point, right.....	1 25
B-2213	Dickinson's, Hagedorn point, left.....	1 25
B-2215	Felizet's, curved	1 50
B-2220	Haslam's, set of 3, with one handle, in leather case.....	2 00
*B-2225	Peaslee's, set of 3, with one handle.....	2 50
*B-2230	Skene's, with open eye	1 00
*B-2235	Wilson's, full curved	75

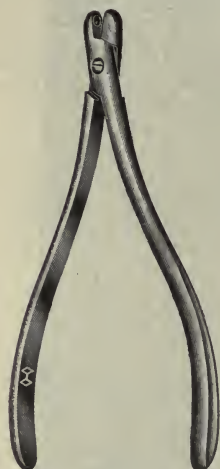
VARICOCELE NEEDLES.

B-2240	Keyes' plain, spear point.....	1 25
B-2245	Keyes' plain, oblique point.....	1 25
B-2250	Keyes' plain, two eyes.....	1 25
*B-2255	Keyes' automatic, see B-2135.....	3 25

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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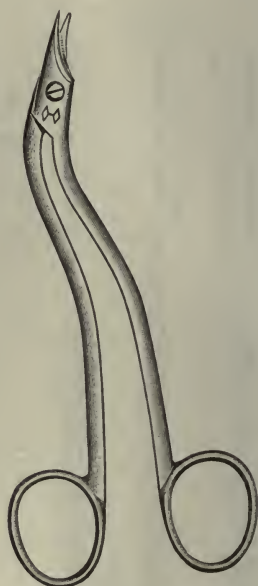
General Operating



B-2280



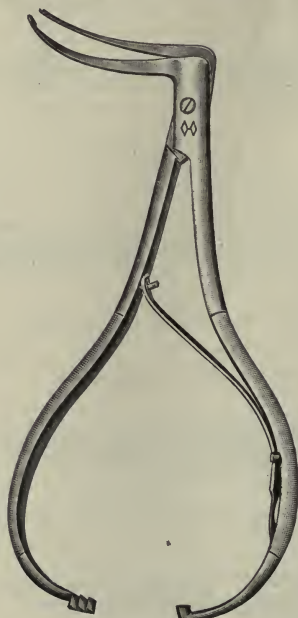
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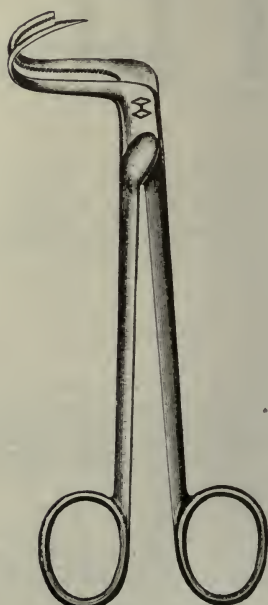
B-2297



B-2268



B-2265-2267



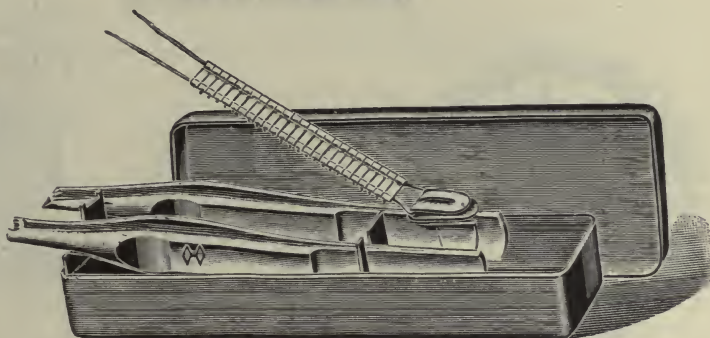
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QUALITY GUARANTEED.—Specify section letter and number in ordering.
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General Operating



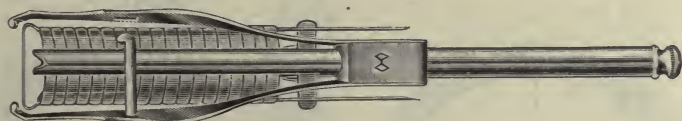
B-2307



B-2305



B-2325



B-2278 Pat. Applied For.

LIGATURE CARRIERS.

*B-2258	Barrett's	\$2 00
B-2260	Cleveland's, scissor handle, 8 in.....	2 50
B-2262	Cleveland's, scissor handle, 6 in.....	2 25
B-2265	Cleveland's, improved, right, latest model.....	3 25
B-2267	Cleveland's, improved, left, latest model.....	3 25
B-2268	Perkin's, for passing ligature over the round ligament.....	2 00

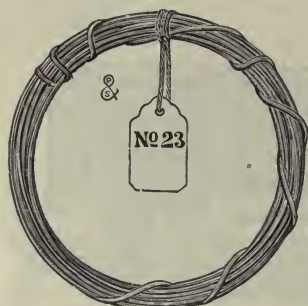
SUTURE SUNDRIES.

*B-2270	Luken's Wound Clip, packed 8 doz. in box, per box.....	3 00
*B-2275	Luken's Wound Clip Forceps	75
B-2278	Richter's Automatic Wound Clip Forceps.....	7 50
These Forceps, without being in the least complicated, hold the clips positively and allow their being applied with the forceps held in any position, and without changing the position of the forceps to recharge the jaws. There are no hinges or mechanical parts as in other Automatic forceps of this kind to get out of order or be spoiled during sterilization.		
B-2280	Shot Compressor, Haslam's	2 00
*B-2285	Shot Compressor, Thomas'	1 75
B-2290	Suture Scissors, Littauer's	1 50
*B-2295	Suture Scissors, Smith's	1 50
B-2305	Suture Set, Michel's, in metal case, consisting of 2 Michel's plain Forceps; 25 Wound Clamps; 2 Wire Hooks for removing clamps.....	3 50
B-2306	Wound Clips, Littauer's, 25 on wire magazine, per hundred.....	1 50
B-2307	Wound Clips, Michel's, 25 on wire magazine, per hundred.....	1 50
B-2308	Wound Clips, Van Schott's, complete with forceps, in case.....	3 50
B-2309	Wound Clips, Van Schott's, 25 on wire magazine, per hundred.....	2 50
*B-2310	Silver Wire Mattress, $3\frac{3}{4} \times 4\frac{3}{4}$ inches.....	3 75
*B-2315	Silver Wire Mattress, $3\frac{1}{2} \times 4\frac{1}{2}$ inches.....	3 50
*B-2320	Silver Wire Mattress, $2\frac{3}{4} \times 3\frac{1}{2}$ inches.....	3 00
B-2325	Perforated Shot, 100 in bottle.....	50
*B-2330	Suture Buttons, Bozeman's	per dozen 75
*B-2335	Suture Buttons, Getchell's	per dozen 60
*B-2340	Suture Buttons, Powell's	per dozen 1 75

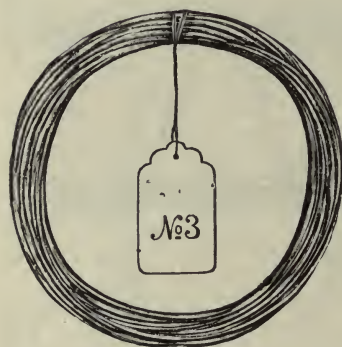
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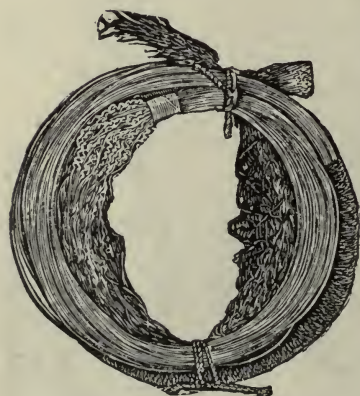
General Operating



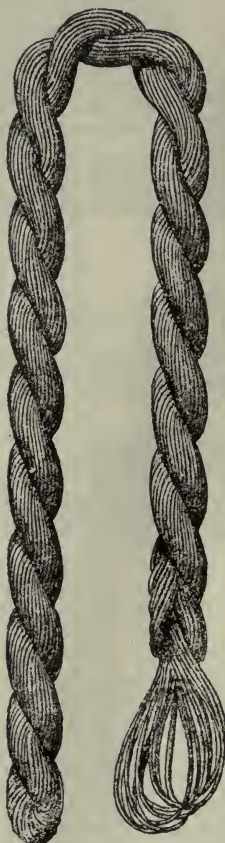
B-2520



B-2385



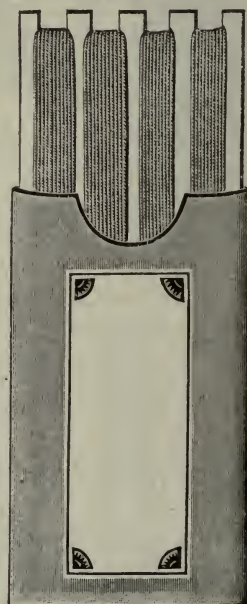
B-2500



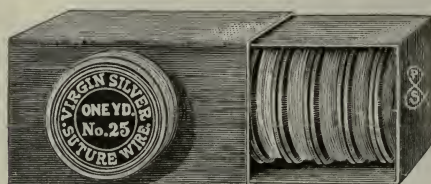
B-2390



B-2445



B-2425



B-2525

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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General Operating

SUTURES AND LIGATURES UNSTERILIZED.

B-2385	Cat Gut, dry, in bundles of 10 strings, each string 10 feet long—	
	Our No. 00, Brown and Sharpe's gauge No. 30, per bundle.....	\$0 30
	Our No. 0, Brown and Sharpe's gauge No. 28, per bundle.....	40
	Our No. 1, Brown and Sharpe's gauge No. 26, per bundle.....	50
	Our No. 2, Brown and Sharpe's gauge No. 25, per bundle.....	60
	Our No. 3, Brown and Sharpe's gauge No. 23, per bundle.....	70
	Our No. 4, Brown and Sharpe's gauge No. 22, per bundle.....	85
	Our No. 5, Brown and Sharpe's gauge No. 21, per bundle.....	1 00
	Our No. 6, Brown and Sharpe's gauge No. 20, per bundle.....	1 10
B-2390	Celluloid Yarn, Pagenstecher's, in 5 sizes.....	per hank .25
B-2395	Celluloid Yarn, Braun's, in 4 sizes.....	per hank 30
B-2400	Horse Hair, 25 strands in bottle.....	per bottle 25
B-2405	Horse Hair, 100 strands in paper box, 20 in.....	per box 40
B-2406	Linen Thread, Mayo's, iron dyed, No. 25.....	per hank 15
B-2407	Linen Thread, Mayo's, iron dyed, No. 35.....	per hank 20
B-2408	Linen Thread, Mayo's, iron dyed, No. 50.....	per hank 25
B-2409	Linen Thread, Mayo's, iron dyed, No. 90.....	per hank 30
B-2410	Kangaroo Tendon, unfinished, assorted sizes.....	per dozen 1 00
B-2415	Silk, braided, Turner's, 12 sizes.	
	Sizes 1 2 3 4 5 6 7 8 9 10 11 12	
	Price per skein.....	.10 .13 .18 .22 .28 .31 .34 .38 .45 .50 .60 .70
B-2420	Silk, braided, 1 size on card, in 12 sizes.....	per card 15
B-2425	Silk, braided, 4 sizes on card, in slip case.....	40
B-2430	Silk, braided, iron dyed, 1 size on card, in 12 sizes.....	per card 15
B-2435	Silk, braided, iron dyed, 4 sizes on card, in slip case.....	40
B-2440	Silk, braided, white, on ½ ounce spools.....	per ounce 2 00
B-2445	Silk, twisted, white, 1 size on card, in 20 sizes, per card, \$.10; dozen.....	60
B-2450	Silk, twisted, iron dyed, 1 size on card, in 20 sizes, per card, \$.12; dozen..	75
B-2455	Silk, twisted, white, 4 sizes on card, in slip case.....	25
B-2460	Silk, twisted, iron dyed, 4 sizes on card, in slip case.....	30
B-2465	Silk, twisted, white, cable twist, in hanks.....	per hank 20
B-2500	Silk Worm Gut, ordinary quality, 14 inch strands, 100 strands to coil.	
	Size Fine. Medium. Coarse. XCoarse. XXCoarse	
	Per coil ..... .35 .50 .65 .80 1.00	
B-2505	Silk Worm Gut, finest quality, 14 inch strands, 100 strands to coil.	
	Size Fine. Medium. Coarse. XCoarse. XXCoarse. XXXCoarse	
	Per Coil ..... .50 .75 .90 1.25 1.50 1.75	
B-2510	Wire, aluminum bronze, 4 sizes, in box of 20 feet.....	per box 12
B-2515	Wire, silver, pure, No. 14 B. & S., for bone work.....	per foot 35
	Wire, silver, pure, No. 16 B. & S., for bone work.....	per foot 30
	Wire, silver, pure, No. 18 B. & S., for bone work.....	per foot 25
	Wire, silver, pure, No. 20 B. & S., for bone work.....	per foot 20
B-2520	Wire, silver, pure, sizes 22 to 30, B. & S., in 2 dwt. coils.....	per coil 25
B-2525	Wire, silver, pure, in spools of 1 yd. each, 6 spools in box.....	per box 1 00
B-2530	Wire, silver, pure, in ½ ounce coils, sizes 22 to 30, B. & S.....	per ounce 2 40

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



This CATGUT is sterilized in oil at a temperature of 320° F. It is impregnated with IODINE, which renders it antiseptic and at the same time easily seen on the field of operation. It is highly elastic and almost as supple as silk, hence easily handled. Sufficient oil remains in the strand to prevent untwisting during its use—for the same reason absorption is delayed.

Lukens Catgut Preparations Are Fully
Guaranteed Against Deterioration.

CATGUT—Plain	Per Dozen Tubes
In hermetically sealed tubes. Sizes 00, 0, 1, 2, 3, 4	\$2.50
CATGUT—Tanned	Per Dozen Tubes
In hermetically sealed tubes. Sizes 00, 0, 1, 2, 3, 4	\$2.50
Tanned to resist absorption as a buried suture for 20 and for 30 days.	
OYLOIDIN-SILK Intestinal Sutures—(Threaded) White	Per Dozen Tubes
In hermetically sealed tubes. Sizes 1, 2, 3	\$2.50
OYLOIDIN-SILK Intestinal Sutures—(Threaded) Icen Dyed	Per Dozen Tubes
In hermetically sealed tubes. Sizes 1, 2, 3	\$2.50
BLOOD VESSEL Sutures—(Threaded) White and Iron Dyed	Per Dozen Tubes
	\$2.50
HORSE HAIR	Per Dozen Tubes
In hermetically sealed tubes	\$2.50
SILK—White (Braided)	Per Dozen Tubes
In hermetically sealed tubes. Sizes 00 to 10	\$2.50
SILK—Iron Dyed (Braided)	Per Dozen Tubes
In hermetically sealed tubes. Sizes 00 to 10	\$2.50
SILKWORM GUT—White and Black	Per Dozen Tubes
Sizes, Fine, Medium, Heavy, X Heavy	
In hermetically sealed tubes	\$2.50
OBSTETRICAL TAPE—(Silk)	Per Dozen Tubes
In hermetically sealed tubes	\$2.50

Prices Quoted Above are Strictly Net.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

The Red Cross and Lee Sterile Ligatures and Sutures

RED CROSS ENVELOPES.

Each Box contains 1 Dozen Ligatures in Envelopes.

Catgut.

Each 28 inches long, assorted sizes, 1, 2 and 3.....	box	\$0 75
Each 28 inches long, assorted sizes, 4, 5 and 6.....	box	90
Box containing 100 ligatures, 1, 2, 3.....	box	5 00
Box containing 100 ligatures, 4, 5, 6.....	box	6 00
Red Cross Catgut Emergency, half-curved needles, 1, 2, 3 only.....	dozen	1 50

Twisted Silk.

Each 36 inches long, assorted sizes, 5, 9 and 12.....	box	75
Box containing 100 ligatures.....	box	4 50
Red Cross Silk Emergency, half-curved needles, 5, 9, 12 only.....	dozen	1 50

RED CROSS TUBES.

Breakable Tubes. One dozen Tubes in box. Sterilized in Alcohol.

Catgut, sizes, 1, 2, 3.....	dozen	3 00
Catgut, sizes, 5, 9, 12.....	dozen	3 00
Catgut Chromatized, medium or extra hard.....	dozen	3 00

RED CROSS EMERGENCY TUBES.

Length 17 inches, each Ligature threaded with half-curved needle only.

Catgut, sizes, 1, 2, 3.....	dozen	1 80
Twisted Silk, Nos. 5, 9, 12.....	dozen	1 80

SMALL SIZE LEE'S "BREAKABLE" TUBES.

Three Tubes in a Box.

Each tube contains about 5 feet of ligature, depending on size.

Catgut, plain	dozen tubes	2 00
Catgut, chromatized	dozen tubes	2 00
Braided Silk	dozen tubes	2 00
Twisted Silk	dozen tubes	2 00
Horse Hair	dozen tubes	2 00

LEE'S TANK PACKAGE.

One Spool.

No. 1, regular size.....	dozen	3 60
No. 2, hospital size.....	dozen	7 50

Three Spool.

No. 4, three spools, assorted sizes.....	dozen	7 50
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Red Cross Umbilical Tape.

Envelopes containing 2 tapes.....	dozen	75
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VAN HORN'S STERILIZED SPECIALTIES.

In Glass Tubes, Hermetically Sealed.

Catgut, plain, sizes 00, 1, 2, 3, 4.....	per dozen	2 50
Catgut, chromic, 10 day, sizes 00, 1, 2, 3, 4.....	per dozen	2 50
Catgut, chromic, 20 day, sizes 00, 1, 2, 3, 4.....	per dozen	2 50
Catgut, chromic, 30 day, sizes 00, 1, 2, 3, 4.....	per dozen	2 50
Silk Worm Gut, white, fine, medium or heavy.....	per dozen	2 50
Silk Worm Gut, black, fine, medium or heavy.....	per dozen	2 50

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General Operating

Thomas Sterile Catgut



Prepared in a well equipped laboratory conducted with the same attention to asepsis as is observed in the best operating rooms.

Raw material; only the finest imported violin quality gut is used, selected with special reference to its surgical utility.

Tensile strength; each lot is carefully tested in a strength testing machine both before and after preparation.

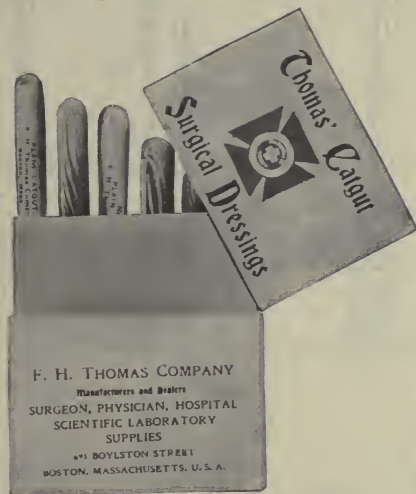
Sterilization; is accomplished by the most approved modern methods which will not injure the gut.

Bacteriological tests; After sealing, a certain percentage of our tubes of sutures and ligatures are tested by a leading Bacteriologist of Harvard Medical School, under an incubation test of fourteen days in various sterile media. Not being fully satisfied with this test, we go even farther, and subject a certain percentage of tubes to an additional test by placing the sutures in the peritoneum of a live guinea pig.

Certification; each batch is put up under a certified number and records are open for inspection at any time.

General Operating

Thomas Ligatures and Sutures in Sealed Glass Tubes



CATGUT (full five foot lengths)

Plain or chromicized, sizes 00, 0, 1, 2, 3, 4.....	per doz. tubes	\$2 00
Plain or chromicized, with needles, sizes 5, 9, 13, 17, F.C., H.C., St.....	per doz. tubes	2 00
Plain, with glovers needles, sizes 4, 6, 8.....	per doz. tubes	2 00

SILK

White or iron dyed, twisted, sizes 1-20.....	per doz. tubes	2 00
White, with needles, sizes 5, 9, 13, 17, F.C., H.C., St.....	per doz. tubes	2 00
Iron dyed with intestinal needles.....	per doz. tubes	2 00

SILKWORM GUT

White or iron dyed, fine, medium, coarse.....	per doz. tubes	2 00
White, with needles, sizes 5, 9, 13, 17, F.C., H.C., St.....	per doz. tubes	2 00

HORSEHAIR

3 lengths in tube.....	per doz. tubes	2 00
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KANGAROO TENDONS

Fine, medium, coarse.....	per doz. tubes	2 00
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CELLULOID THREAD

With intestinal needles.....	per doz. tubes	2 00
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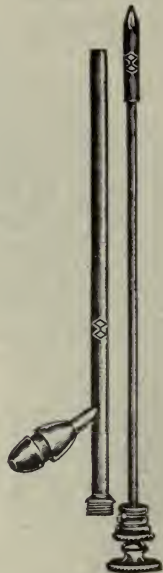
General Operating



B-2815



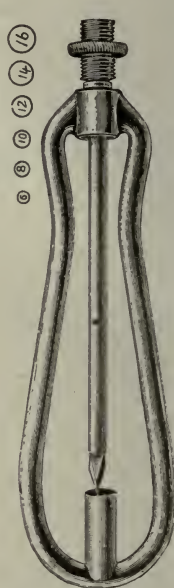
B-2805



B-2850



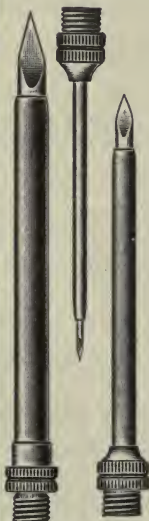
B-2860



B-2840



B-2865



B-2880



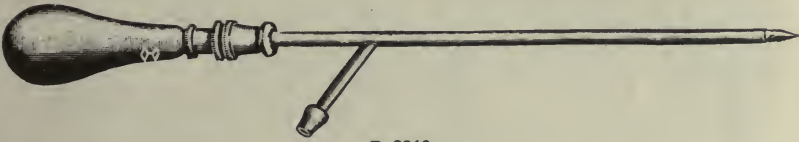
B-2835



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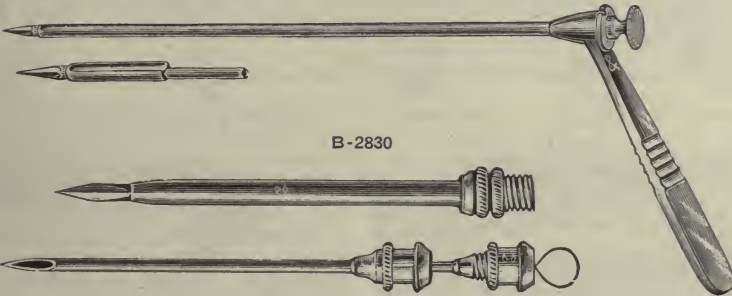
General Operating



B-2810



B-2820



B-2830



B-2825

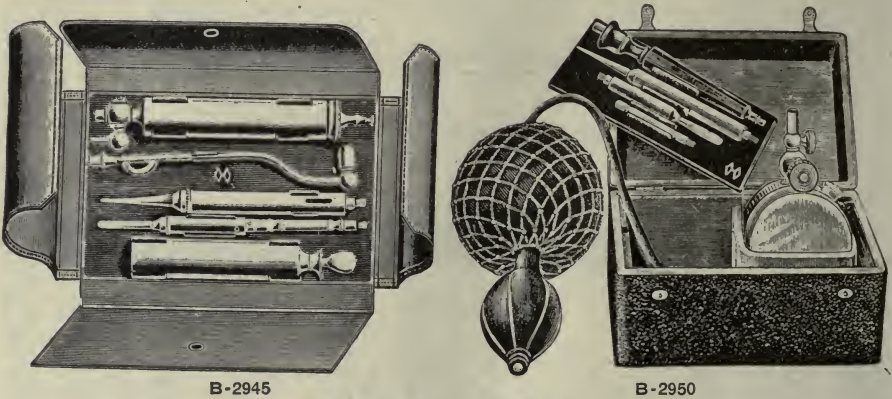
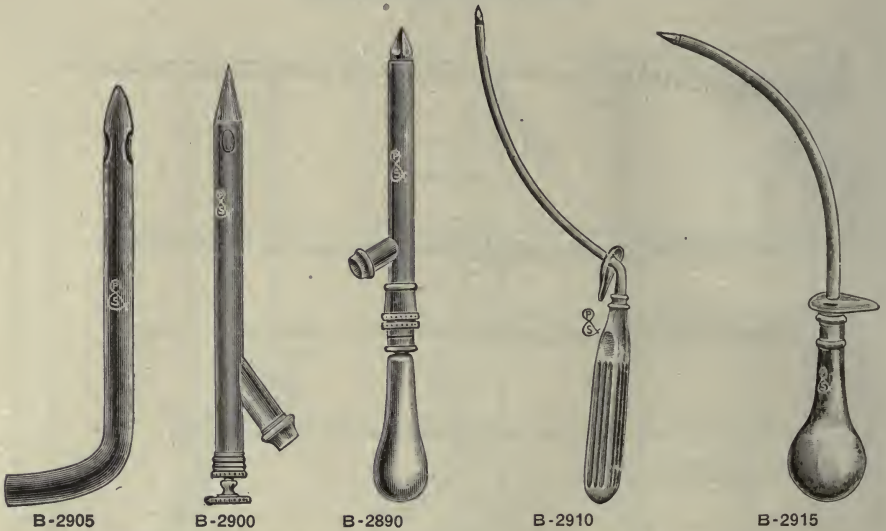
TROCARS.

*B-2800	Trocar, anasarca, Southey's	\$3 00
B-2805	Trocar, Birch's, with perforated canulae	1 50
B-2810	Trocar, Emmet's, small, No. 10 French scale.....	2 50
B-2815	Trocar, exploring, German silver canulae	75
B-2820	Trocar, Fitch's, dome	1 50
B-2825	Trocar, Fowler's, pocket, with salt infusion needles.....	1 25
B-2830	Trocar, Guitera's, perineal	2 00
B-2835	Trocar, Haslam's, pocket	75
B-2840	Trocar, Haslam's, reversible	1 25
*B-2845	Trocar, Ingals', oval, thoracic	1 50
B-2850	Trocar, Ochsner's, gall bladder, 3 sizes, 1/8, 3-16, 1/4 in. diameter.....each	2 50
*B-2860	Trocar, plain, reversible, with off flow scoop.....	1 00
B-2865	Trocar, telescopic, pencil case form, 3 in set.....	2 00
*B-2870	Trocar, telescopic, pencil case form, 4 in set.....	2 50
*B-2875	Trocar, telescopic, flat handle form, 3 in set.....	2 50
B-2880	Trocar, telescopic, flat handle form, 4 in set.....	2 75

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General Operating

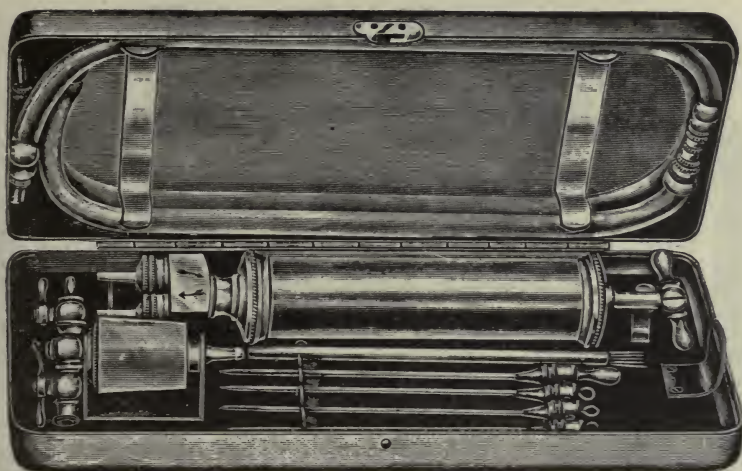


TROCARS, OVARIAN.		
*B-2885	Trocar, Dunster's	\$3 00
B-2890	Trocar, Emmet's	2 50
*B-2895	Trocar, Mathieu's	3 50
B-2900	Trocar, Pean's	3 50
B-2905	Trocar, Wylie's, blunt	2 00
*B-2906	Trocar, Wylie's, sharp	2 25
TROCARS, VESICAL.		
B-2910	Trocar, Buck's	2 25
B-2915	Trocar, plain	1 50
*R-2920	Trocar, Fleurant's	3 00
*B-2922	Trocar, Parker's, guarded	2 75

THERMO CAUTERIES.		
B-2945	Pocket Thermo Cautery. The compactness of this instrument, combined with its completeness, makes it very desirable for outdoor practice. Complete with bulbs, one knife and one button point platinum burner, handle reservoir, and lighting attachment, in flexible morocco, leather lined case. Price.....	\$22 50
B-2950	Thermo-Cautery. This cautery is more convenient and satisfactory than any other yet introduced to the profession. It permits of the generation of permanent and controllable heat, with but slight loss through radiation. Every instrument is carefully tested before leaving the factory. Complete with two points and patent metal reservoir, put up in neat morocco case, 4 inches high, 7 inches long and 5 inches wide..each	22 50
*B-2985	Cautery Coppers, light, with wood handles.....	25
*B-2990	Cautery Coppers, light, with patent cold handles of steel wire.....	50

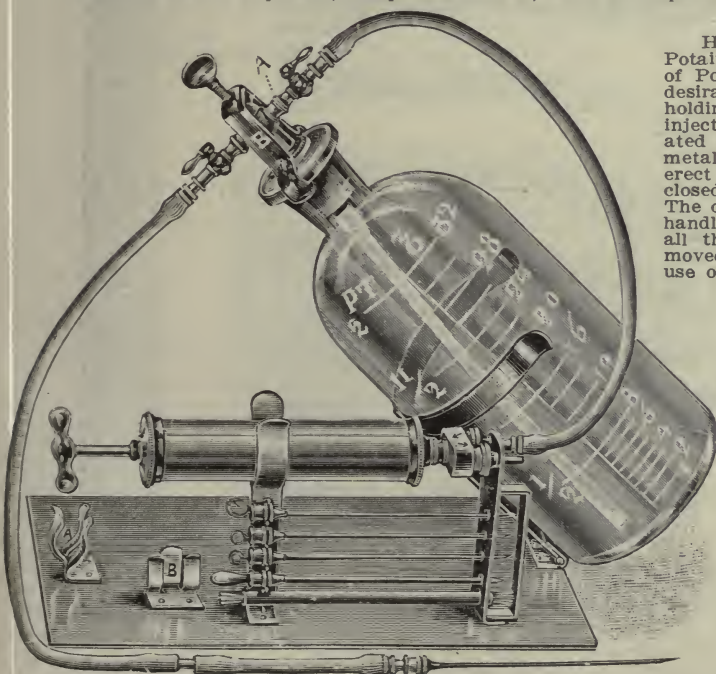
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Aspirators



Potain's modification of Dieulafoy's Aspirator, with double leather plunger and patent never failing metal valves, 3 needles, trocar and canula, metal connections and rubber tubing, in new aseptic nickel case. Each aspirator is furnished with a special key, so that anyone can clean and readjust the valves in a few minutes. The case is made with special tray and metal fittings, and entire contents can be removed for sterilization.

B-2925 Potain's Aspirator, complete as shown, with leather packing..... \$6 00
 B-2930 Potain's Aspirator, complete as shown, with metal packing..... 7 50

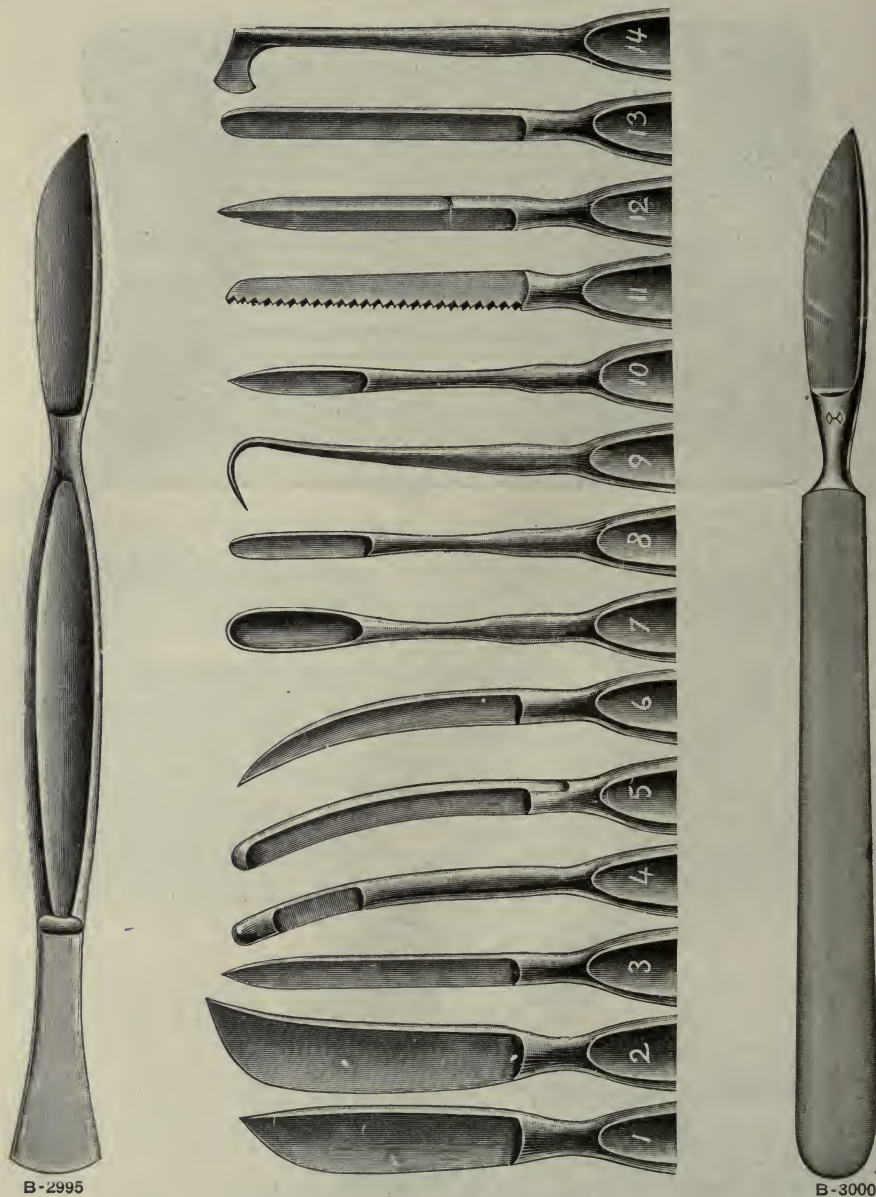


Haslam's modification of Potain Aspirator. This form of Potain's aspirator is very desirable, with new clamp for holding in the stopper during injection. It has the graduated bottle so mounted on metal plate that it may stand erect while being used, and closed down for carrying. The case is of morocco, with handle. Aspirator, bottle and all the fittings may be removed intact from case for use or sterilization.

B-2935 Haslam's Potain Aspirator, complete as shown, with leather packing..... 13 50
 B-2940 Haslam's Potain Aspirator, complete as shown, with metal packing..... 15 00
 *B-2492 Stomach Pump Attachment, to be used with either the Haslam or Potain aspirator 5 50

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General Operating



POCKET CASE KNIVES.

The knives illustrated above are of American manufacture, hand forged blades, full 5½ inches in length and are fully guaranteed in every respect.

B-3000 is made in two different styles of finish, the bright nickel and the dull brush finish. In ordering specify the style wanted.

B-2995	Pocket Case Knife, concave handle, any style blade.....	\$0 90
B-3000	Pocket Case Knife, plain handle, any style blade.....	75
*B-3005	Pocket Case Knife, plain handle, short, imported.....	50
*B-5360	Pocket Case Knife, 4 blades, aluminum handle, folding, in pouch.....	3 75

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General Operating

POCKET CASES.

While we strongly recommend the best knives with concave handles as shown on opposite page, still for the sake of offering prices to compare favorably with the cheap imported case in the market, we can put up all the cases with plainer knives having smooth handle.

These knives are full 5½ inches long, of as good material and finish as those with concave handles, and are guaranteed in every respect.

The cuts show actual size of the blades; in ordering cases any style of blade may be specified.

LEATHERS.



Plain Morocco



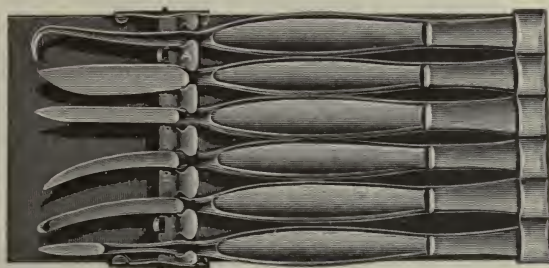
Monkey Grain



Embossed

We illustrate above the different grains and styles of leather used in the manufacture of our pocket cases, enabling the prospective purchaser to make a better selection.

METAL KNIFE RACK FOR POCKET CASES.



B-3020

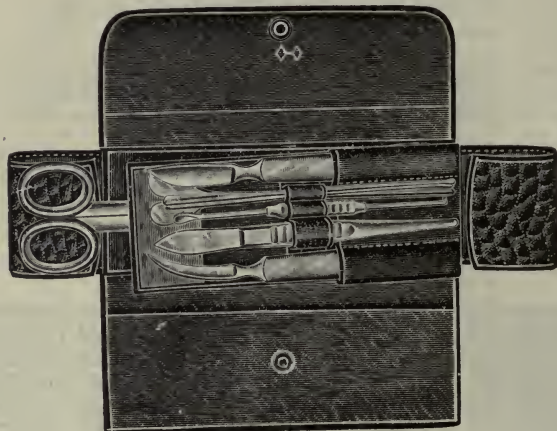
This knife rack is made of brass, nickel plated, is made for four or six knives, has a movable rack engaging the shanks of the knife blades, permitting the knife to be raised for withdrawal from its proper sheath, also for holding the edges of the knives from the bottom of the tray should the entire rack be placed in the sterilizer for boiling. It can be supplied with any of our leather pocket cases holding four or six knives. The price of this rack should be added to that of the pocket case ordered, if wanted. Metal racks are only sold with complete pocket cases at prices quoted.

*B-3010 Metal Knife Rack, for four knives.....	\$1 00
B-3020 Metal Knife Rack, for six knives.....	1 25

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



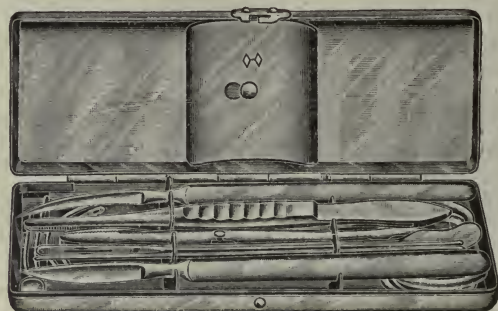
B-3024

VEST POCKET EMERGENCY CASE NO. 1.

- *B-3022 Vest Pocket Case, No. 1. Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Gross' hook and spoon, needles and silk, in plain black leather case..... \$3 75
- *B-3023 Vest Pocket Case No. 1, in fine black leather case..... 4 00
- B-3024 Vest Pocket Case No. 1, in fine black monkey grain leather case..... 4 00

VEST POCKET EMERGENCY CASE NO. 2.

- *B-3035 Vest Pocket Case No. 2. Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Gross' ear spoon and hook, 1 Pean's haemostatic forceps, needles and silk, in fine black leather case 4 75
- *B-3040 Vest Pocket Case No. 2, in fine black monkey grain leather case..... 4 75



B-3175

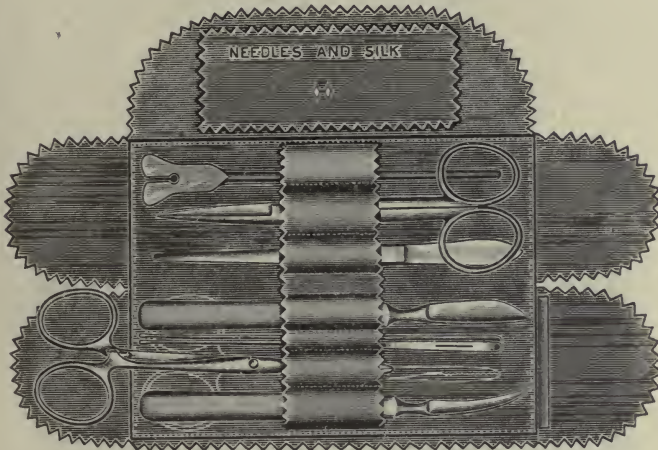
METAL VEST POCKET CASES Nos. 3 and 4.

- *B-3170 Metal Vest Pocket Case No. 3. Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Gross' hook and spoon, needles and silk. The case is made of metal, nickel plated, with cloth button pouch for carrying same..... 5 00
- B-3175 Metal Vest Pocket Case, No. 4. Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Gross' ear hook and spoon, 1 Pean's haemostatic forceps, needles and silk. The case is made of metal, nickel plated, with cloth button pouch for carrying same 5 75

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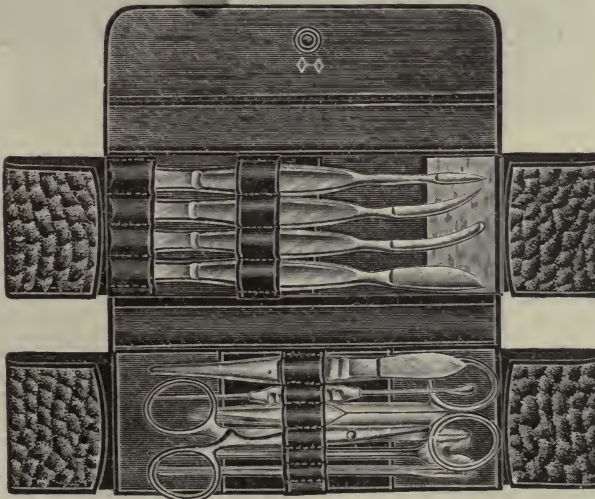
General Operating



B-3178

DOUGLASS' EMERGENCY VEST POCKET CASE.

- B-3178 Douglass' Emergency Vest Pocket Case. Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Pean's haemostatic forceps, needles and silk, in washable roll having an outline of each instrument indelibly printed on the back. The carrying case is of German silver, nickel plated \$5 00



B-3045

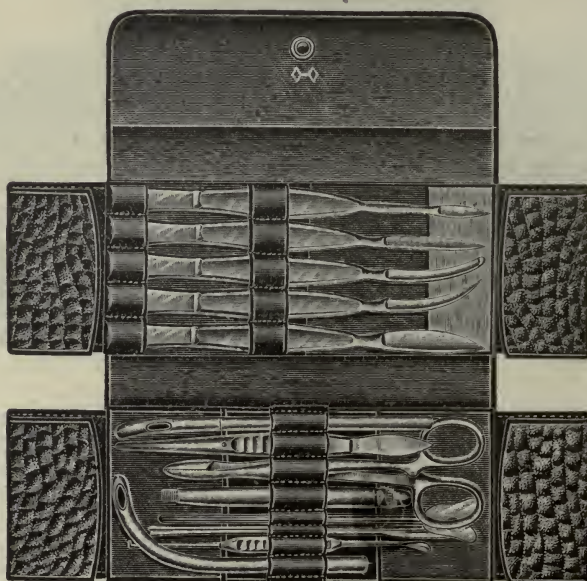
B-3045. POCKET CASE No. 26.

- B-3045 Pocket Case No. 26. Contents: 4 long knives, 1 straight scissors, 1 thumb forceps, 1 Pean's forceps, 2 probes, 1 director and tongue tie, 1 ear hook and spoon, needles and silk. 6 00
 B-3045 Pocket Case No. 26, with fine concave handle knives..... 6 00
 *B-3050 Pocket Case No. 26, with plain handle knives..... 5 00
 Cases put up in black morocco or monkey grain leather.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



B-3065

B-3055. POCKET CASE No. 11.

- *B-3055 Pocket Case No. 11. Contents: 4 long knives, 1 straight scissors, 1 thumb forceps, 1 Pean's forceps, 1 exploring needle, 1 ear spoon and director, 2 probes, Keen's needle holder, needle and silk.
- *B-3055 Pocket Case No. 11, with fine concave handle knives..... \$7 50
- *B-3060 Pocket Case No. 11, with plain handle knives..... 6 50

Cases put up in black morocco, or monkey grain leather.

B-3065. POCKET CASE No. 102.

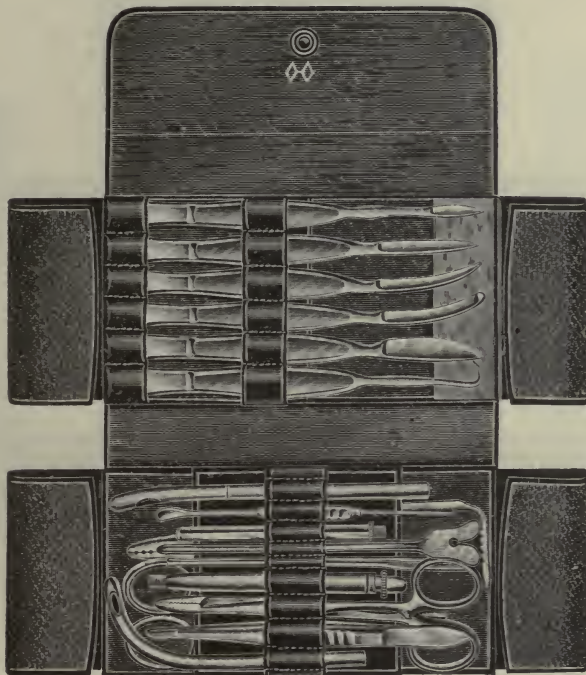
- B-3065 Pocket Case No. 102. Contents: 5 long knives, 1 Parker's catheter and caustic holder, 1 thumb forceps, 1 straight scissors, 1 Pean's needle forceps, 1 ear hook and spoon, 1 director and tongue tie, 2 probes, needles and silk.
- B-3065 Pocket Case No. 102, with fine concave handle knives..... 7 50
- *B-3070 Pocket Case No. 102, plain handle knives..... 6 50

Cases put up in black morocco, or monkey grain leather.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating

**B-3090. POCKET CASE No. 13.**

B-3090 Pocket Case No. 13. Contents: 6 long knives, 1 thumb forceps, 1 Keen's needle forceps, 1 straight scissors, $4\frac{1}{2}$ inch, 1 Pean's forceps, 1 ear hook and spoon, 1 Parker's combined catheter and caustic holder, 1 exploring needle, 1 director and tongue tie, 2 probes, needles and silk.

B-3090 Pocket Case No. 13, with fine concave handle knives.....\$11 50

*B-3095 Pocket Case No. 13, with plain handle knives..... 10 50

Cases put up in genuins morocco, monkey grain, and embossed calf leathers.

B-3100. BLAKE'S 3-FOLD POCKET CASE No. 45.

*B-3100 Pocket Case, Blake's, No. 45. Contents: 8 long knives, 1 Blake's needle nolder, 2 Pean's forceps, 1 combined male and female catheter, 1 curved scissors, 1 Nelaton's bullet probe, 1 exploring trocar, 1 director and aneurism needle, 2 probes, needles and silk.

*B-3100 Pocket Case, Blake's, No. 45, with fine concave handles..... 13 50

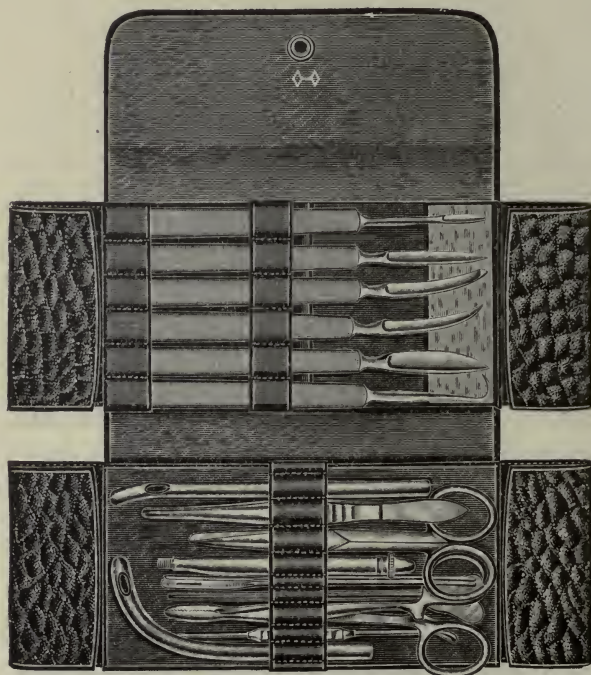
*B-3110 Pocket Case, Blake's, No. 45, with plain handles..... 12 00

This case is also supplied with metal knife rack B-3020. Case is put up in black seal grain leather.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



B-3120. POCKET CASE No. 21.

- B-3120 Pocket Case No. 21. Contents: Six long Little's knives, 1 straight scissors, 1 Parker's catheter with caustic holder, 1 Pean's needle forceps, 1 thumb forceps, 1 director and tongue tie, 1 ear hook and spoon, 2 probes, needles and silk.
- *B-3115 Pocket Case No. 21, with fine concave handle knives..... \$9 00
- B-3120 Pocket Case No. 21, with plain handle knives..... 8 00

Cases put up in black morocco, seal grain, and monkey grain leathers.

B-3125. POCKET CASE No. 40.

- B-3125 Pocket Case No. 40. Contents: 8 Little's long knives, 1 Keen's needle holder, 1 thumb forceps, 1 Pean's forceps, 1 exploring trocar, 1 Nelaton's bullet probe, 1 straight scissors, 1 combined male and female catheter, 1 director and aneurism needle, 2 Langenbeck's artery forceps, 2 probes, needles and silk.

The case is of genuine morocco and is two fold.

- *B-3125 Pocket Case No. 40, with fine concave handle knives..... 13 50
- *B-3130 Pocket Case No. 40, with plain handle knives..... 12.00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



Patent Pending.

B-3157. THE WHITMARSH-DOUGLASS POCKET CASE.

Adopted by the U. S. Army.

The new idea in Pocket Instrument Cases. The case is made up in the form of a regular card case, with three pockets; one for the reception of the metal tray holding the knives, one for the metal tray holding sundry instruments and the third for needles, silk, etc. The outer case is made of black monkey grain leather lined with black watered silk. The metal trays are made of brass, nickel plated, and have hinged leaves which close down closely over the instruments to guard and hold them in place. The case when closed is flat and fits into the pocket without bulging. The outlines of the various instruments are etched on the bottom of the trays. There is no loss of time in returning the instruments to their proper places.

Contents: 1 scapel, 1 curved sharp bistoury, 1 curved blunt bistoury, 1 straight sharp bistoury, 1 tenatome, 1 Pean's haemostatic forceps, 1 straight scissor, 1 spring dressing forceps, 1 groove director and tongue tie, 1 Gross' ear instrument, 1 male and female combined catheter with caustic holder, 1 pair silver probes, 1 dozen assorted needles, 1 card twisted silk.

B-3157 The Whitmarsh-Douglass Pocket Case, plain handled knives..... \$9 00

*B-3158 The Whitmarsh-Douglass Pocket Case, concave handle knives..... 10 00

B-3135. POCKET CASE No. 100.

*B-3135 Pocket Case No. 100. Contents: 6 long Little's knives, 1 male and female catheter with caustic holder, 1 straight scissors, 1 Pean's forceps, 1 thumb forceps, 1 director and tongue tie, 1 ear hook and spoon, 2 probes, 1 aspirating and infusion needle, needles and silk.

*B-3135 Pocket Case No. 100, with fine concave handle knives..... 9 00

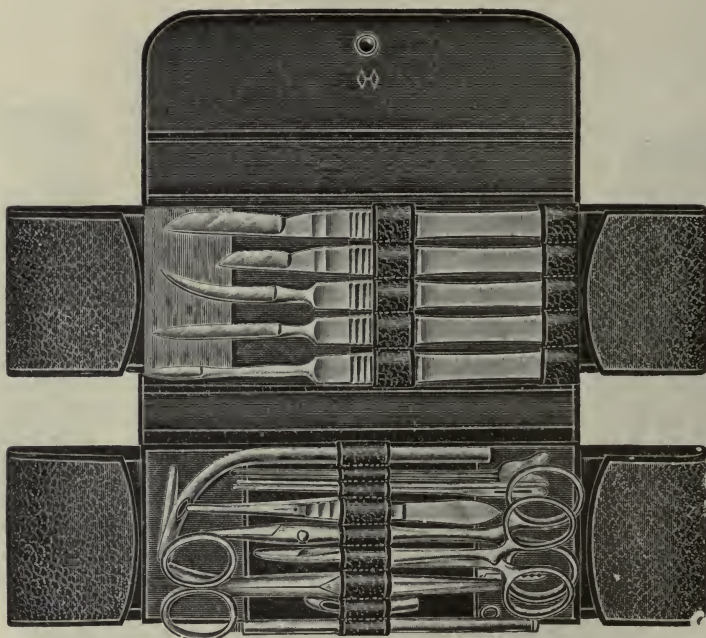
*B-3140 Pocket Case No. 100, with plain handle knives..... 8 00

Cases are put up in black morocco, monkey grain, and embossed calf leathers.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



B-3155

B-3155. "THE JEFFERSON."

B-3155. "The Jefferson." This case is furnished with all that is best in the instrument line. The knives are all hand forged and are full length operating size. The forceps, scissors, etc., represent the most careful and satisfactory selection of instruments to be found in any pocket case and we can heartily recommend it to any surgeon who desires to obtain the best at a most reasonable price. Every instrument guaranteed to be made of the very best in material, construction, finish and design.

Contents: 5 operating knives, B-175, any style, 1 haemostatic forceps, Kelly's, 1 haemostatic forceps, Pean's, 1 straight scissors, $5\frac{1}{2}$ inch, 1 male and female combined catheter, 1 spring dressing forceps, $4\frac{1}{2}$ inch, 1 groove director and tongue tie, 1 pair silver probes, $4\frac{1}{2}$ inch, 1 dozen needles, assorted, 1 card twisted silk.

B-3155 Pocket Case, "The Jefferson"..... \$9 50

Cases put up in genuine morocco and monkey grain leathers.

B-3145. POCKET CASE No. 101.

*B-3145 Pocket Case No. 101. Contents: 6 long knives, 1 female catheter, 1 thumb forceps, 2 Pean's forceps, 1 straight scissors, 1 exploring needle, 1 ear hook and spoon, 1 director and tongue tie, 1 Keen's needle holder, 2 probes, 1 aspirating and infusion needle, needles and silk.

*B-3145 Pocket Case No. 101, with fine concave handle knives..... 10 50

*B-3150 Pocket Case No. 101, with plain handle knives..... 9 50

Cases are put up in black morocco, monkey grain, and embossed calf leathers.

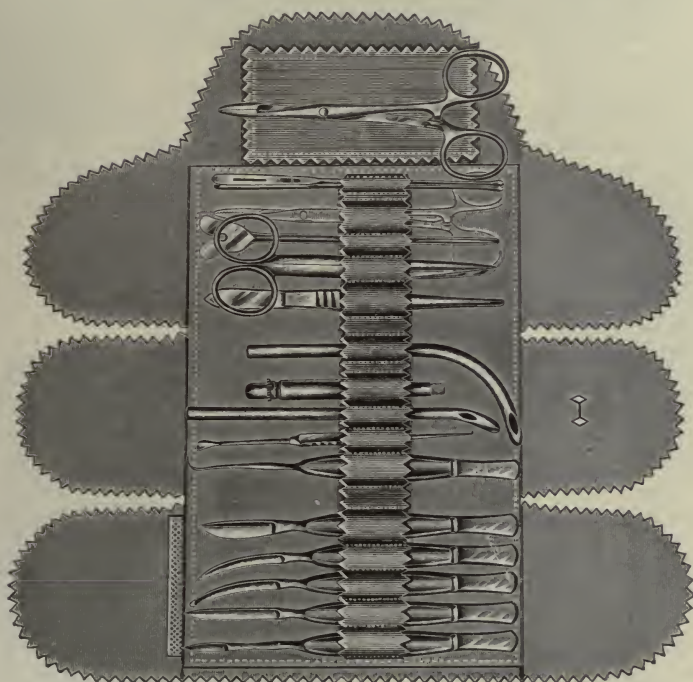
QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

General Operating



Showing Roll in Metal Case.



B-3160. THE DOUGLASS POCKET CASE.

The instruments in this case are fitted in a roll of fine, white, washable twill with the outline of each instrument indelibly stamped so that each instrument can be readily returned to its proper place. The roll is carried in a fine German silver nickel plated case, $\frac{3}{4}$ inch thick. It can be carried comfortably in the hip pocket.

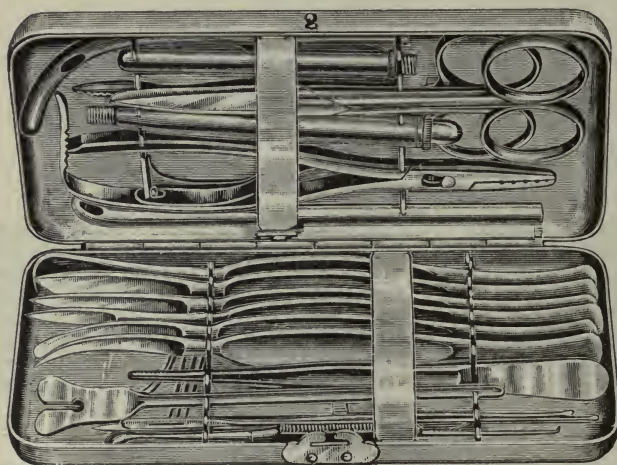
The contents are the same as B-3120, No. 21, illustrated on page 172.

B-3160 Pocket Case, Douglass', with fine concave handle knives.....\$10 00
 *B-3165 Pocket Case, Douglass', with plain handle knives..... 9 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



B-3180.

B-3180. LITTLE'S METAL ASEPTIC POCKET CASE No. 25.

Contents: 6 special fine Little's knives, 1 fine scissors, 1 Pean's forceps; 1 Parker's catheter with caustic holder, 1 Keen's needle holder, 1 Gross' ear hook and spoon, 1 metal exploring needle, 1 flat end director, 2 probes, 1 thumb dressing forceps, needles and silk.

Case made of German silver, heavily plated. Racks are of metal and can be removed from the case. Measurements, 5½ inches long, 1¾ inches wide, ⅞ inch thick. Furnished with cloth button pouch for carrying.

B-3180 Metal Pocket Case, No. 25, with fine concave handle knives.....\$13 50
 *B-3182 Metal Pocket Case, No. 25, with plain handle knives..... 12 00

B-3210. ALL METAL NURSES POCKET CASE.

Suggested by Maud Louise McKennie, of the University of Virginia,
 and the Brooklyn Training School for Nurses.

Contents: Soft rubber solid end catheter, all-metal hypodermic syringe, clinical thermometer, straight scissors, dressing forceps, improved manicure scissors having nail files on the insides of handle and cleaner on the end of thumb ring, probe, 2 tablet vials, 6 hypodermic needles, in aluminum box, and box for pins, needles, etc. All in a finely polished and plated German silver case, with removable racks in a neat felt pouch.

*B-3210 Nurses Pocket Case, McKennie's\$10 00

B-3195. NURSES POCKET CASE No. 52.

Contents: 1 hypodermic syringe, 1 scissors, 1 haemostatic and dressing forceps, 1 glass female catheter, 1 clinical thermometer. In round cornered satin lined case covered with chocolate colored morocco.

*B-3195 Nurses Pocket Case No. 52..... 5 00

B-3200. NURSES POCKET CASE No. 53.

Contents: 1 male and female catheter, 1 clinical thermometer, 1 scissors, 1 thumb dressing forceps, 1 pair probes. Case is made of fine monkey grain leather. Pocket case style, very neat and compact.

*B-3200 Nurses Pocket Case No. 53..... 4 00

B-3205. NURSES POCKET CASE No. 54, "BELLEVUE HOSPITAL."

Contents: 1 silver female catheter, 1 thermometer with certificate, 1 fine scissors, 1 Pean's haemostatic forceps, 1 silver probe, 1 fine thumb dressing forceps. Case is of black morocco.

*B-3205 Nurses Pocket Case No. 54..... 5 00

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General Operating

B-3185. NURSES RED CROSS CHATELAIN CASE No. 50.

Contents: 1 thumb forceps, 1 all metal hypodermic syringe with needles, 1 scissors, 1 probe, 1 clinical thermometer in metal case, 1 female catheter.

B-3185 Nurses Red Cross Chatelaine Case No. 50..... \$4 50



B-3185

B-3190 NURSES RED CROSS CHATELAIN CASE No. 51.

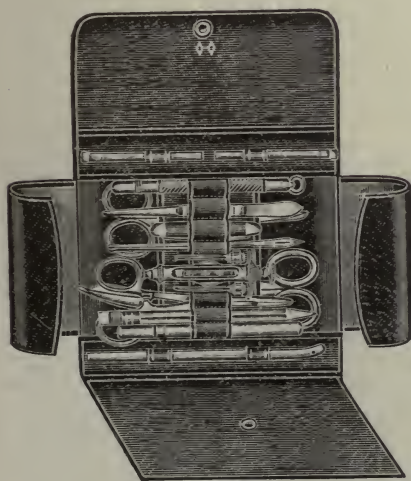
Contents: 1 thumb forceps, 1 all metal hypodermic syringe with needles, 1 scissors, 1 probe, 1 clinical thermometer, in metal case, 1 female catheter, plated. Case is made of black morocco or monkey grain leather with flap cover.

B-3190 Nurses Red Cross Chatelaine Case No. 51... \$5 00



B-3190

Note.—Both the B-3185 and B-3190 cases can be supplied with black leather chatelaine hooks instead of crosses if desired.



B-3207

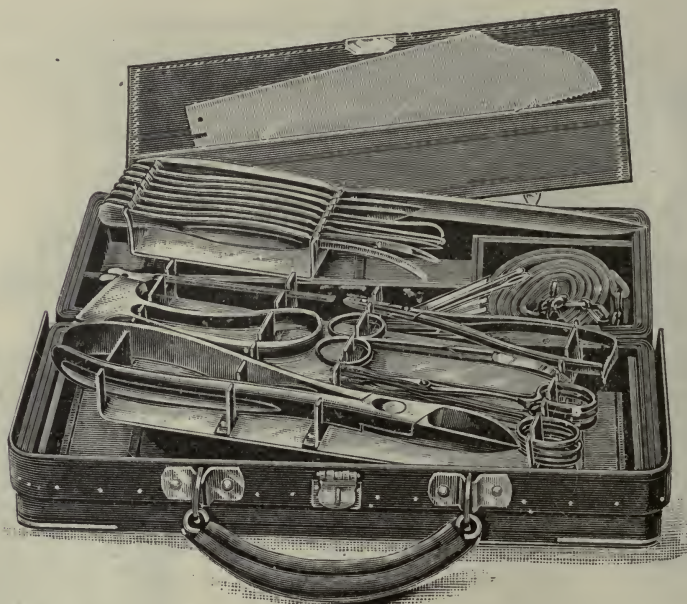
B-3207. NURSES COMPANION No. 61.

Contents: Bath thermometer, fine quality, minute clinical thermometer, hypodermic syringe with glass barrel, leather expanding piston. 2 hypodermic needles, Pean's forceps, straight scissors, angular bandage scissors, thumb forceps, pocket knife with 2 blades, pair of probes, lead pencil, 2 hypodermic vials, glass catheter, in folding leather case.

B-3207 Nurses Companion..... \$7 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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General Operating



B-3215. COMPACT OPERATING SET No. 12.

Contents: Large amputating saw, removable handle; Liston's $8\frac{1}{2}$ inch bone forceps, with spring; 3 Pean's haemostatic forceps, curved scissors, Keen's needle holder, 5 inch; Esmarch's tourniquet with hook and chain, amputating knife, 7 metal handle operating knives, assorted blades to suit; flat end director, pair of probes, needles and silk.

This case is extremely compact and well arranged. Every instrument is perfectly aseptic, and mounted in two metal removable racks.

The case is handsome and durable with metal corners and has a comfortable handle.

The racks are either nickel plated or aluminum as desired, the latter being considerably lighter.

B-3215 Compact Operating Set, No. 12.....\$30 00

B-3220 Compact Operating Set, No. 14. Same as above with one Galt's trephine and one trephining elevator and raspatory added..... 32 50

B-3225. NEW COMPACT OPERATING SET No. 15.

Contents: Large amputating saw, removable handle; Liston's bone forceps. $8\frac{1}{2}$ inches, with spring; 3 Pean's haemostatic forceps, curved scissors, Richter's needle holder, Esmarch's tourniquet with hook and chain, amputating knife, 7 fine handle operating knives, assorted blades to suit; flat end director, 2 probes, needles and silk.

All the Knives are Superior Quality, Hand-Forged and Warranted.

This case is perfectly aseptic and very compact. All the instruments are on a single metal rack, making a broad case in which all the instruments are exposed when case is opened. The case measures $11 \times 8\frac{1}{2} \times 1\frac{1}{4}$ inches.

The case is handsome and durable, has a comfortable handle and has metal corners

*B-3225 Compact Operating Set, No. 15.....\$32 50

*B-3226 Compact Operating Set, No. 15, with plain needle holder..... 30 00

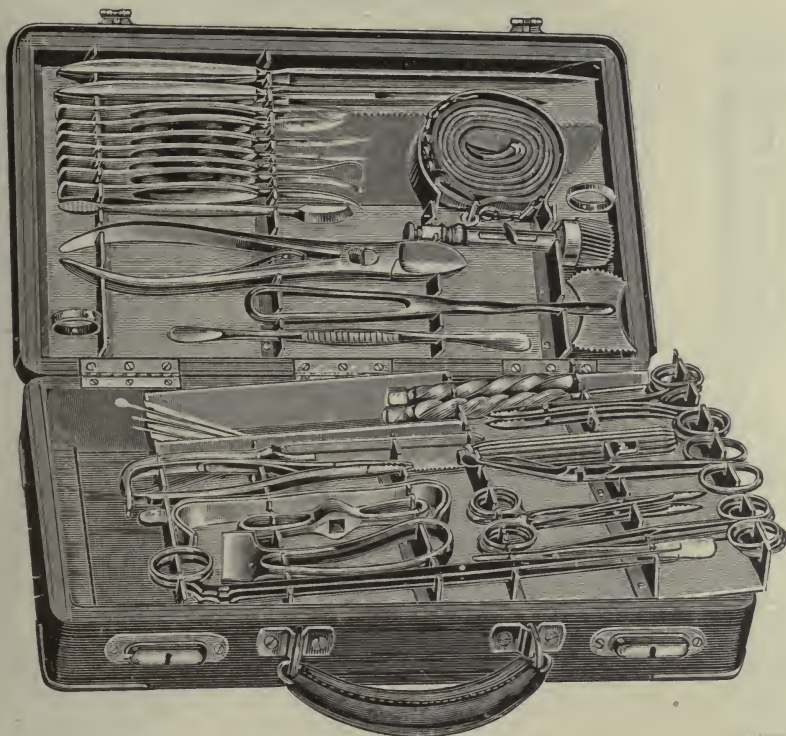
*B-3230 Compact Operating Set, No. 15, with Galt's trephine and elevator and raspatory added 35 00

*B-3231 Compact Operating Set, No. 15, same as B-3230, with plain needle holder.. 32 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



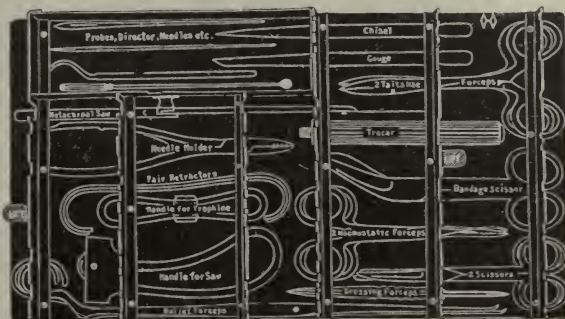
B-3235. COMPACT GENERAL OPERATING SET No. 13.

Contents: Large amputating saw, removable handle; medium amputating knife; small Catlin knife; 7 best Minor operating knives, assorted blades to suit; Esmarch's tourniquet; Galt's trephine; Hey's skull saw; trephining elevator and raspator; $8\frac{1}{2}$ inch bone forceps with spring; large size double end Volkman's bone curette; bone chisel. bone gouge; 2 Tait's haemostatic forceps; 1 reversible metal handle trocar; angular bandage shears; 2 Pean's haemostatic forceps; straight scissors; curved scissors; thumb dressing forceps; lifting back metacarpal saw; large Keen's needle holder; pair Parker's retractors; American bullet forceps with catch; Nelaton's porcelain head bullet probe; pair plated probes; director and aneurism needle; needles and silk assorted.

The racks are of aluminum, which greatly reduces the weight, or may be plated metal if preferred. We can supply this set in fine morocco case with plated corners and trimmings, or in an extremely strong and durable sole leather case.

- B-3235 Compact General Operating Set, No. 13, in fine morocco case with plated corners and trimmings \$55 00
 B-3240 Compact General Operating Set, No. 13, in durable sole leather case with nickel trimmings 57 50

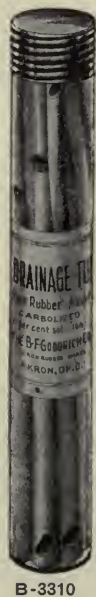
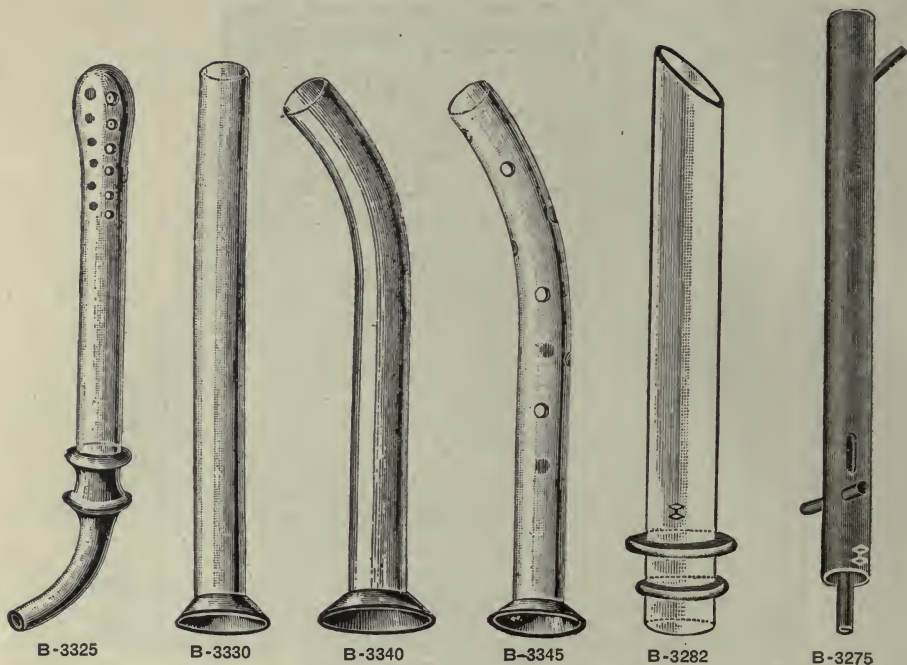
HASLAM'S ENGRAVED METAL RACKS FOR OPERATING CASES.



The illustration represents one of the racks in our No. 13 General Operating Case, with the outline and name of each instrument engraved on its base. These outlines are of great assistance in replacing the instruments after they have been removed from the rack, and will be found an invaluable improvement.

Our General Operating Cases on pages 178 and 179 are all made with Haslam's Engraved Racks.

General Operating



B-3310



B-3260



B-3297



B-3285-3295



B-3270

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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General Operating



B-3377



B-3350



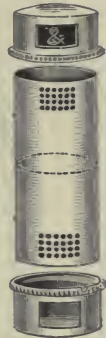
B-3355



B-3370



B-3360



B-3380



B-3300



B-3320



B-3390

DRAINAGE TUBES AND IODOFORM BOXES.

*B-3250	Ferguson's, silver, prostatic	\$4 00
*B-3255	Keith's, glass	35
B-3260	Kelly's, soft rubber, for pelvic abscess.....	1 00
*B-3265	Keyes', soft rubber, supra pubic.....	1 50
B-3270	Mayo's, soft rubber, spiral, assorted sizes, per yard.....	50 to 1 00
B-3275	Mayo's, soft rubber, prostatic, double channel.....	1 50
*B-3280	Mayo's, glass, extra large, for draining abdominal cavity.....	50
B-3282	Moynihan's, glass, abdominal	50
F-3285	Murphy's, aluminum, straight	1 25
B-3290	Murphy's, aluminum, curved, large	1 25
B-3295	Murphy's, aluminum, straight, small	1 25
B-3297	Packard's, multiple, soft rubber, small, \$.35; medum, \$.50. large, \$.60; extra large	75
B-3300	Plain, soft rubber, assorted sizes, per yard.....	20 to 50
*B-3305	Perforated, soft rubber, assorted sizes, per yard.....	25 to 60
B-3310	Perforated, soft rubber, 6 in. lengths, 6 in bottle, per bottle.....	35
B-3320	Senn's, silver, supra pubic	3 50
B-3325	Tait's, glass	35
B-3330	Thomas', glass, straight, plain.....	15
*B-3335	Thomas', glass, straight, perforated.....	30
B-3340	Thomas', glass, curved, plain.....	15
B-3345	Thomas', glass, curved, perforated.....	30
B-3350	Iodoform Box, Fowler's, metal, nickel plated.....	65
B-3355	Iodoform Box, Fowler's, metal, nickel plated, triple compartment.....	1 00
B-3360	Iodoform Box, Green's, glass, with hard rubber mounts.....	75
*B-3365	Iodoform Box, hard rubber, small.....	50
B-3370	Iodoform Box, hard rubber, medium.....	75
*B-3375	Iodoform Box, hard rubber, large.....	1 00
B-3377	Iodoform Box, Haslam's, small, metal, 1/2 in. diameter.....	25
B-3380	Iodoform Box, metal, nickel plated, double chamber.....	85
*B-3385	Disinfecter, Clayton's, formaldehyde; special circular on request.....	1 50
B-3390	Silver Foil, Halstead's, for dressing, 24 leaves to book, per book.....	25

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Dressing Shears



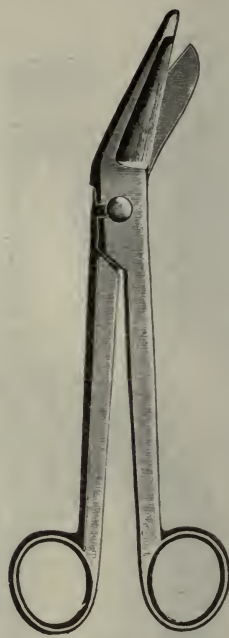
B-3420



B-3455



B-3445



B-3435



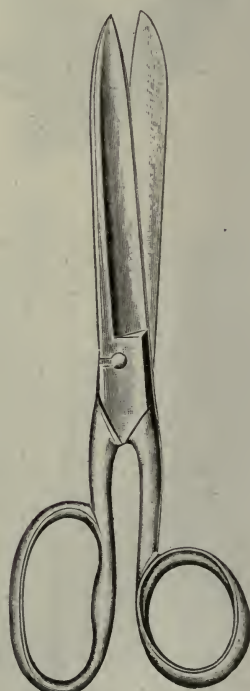
B-3460



B-3465



B-3470



B-3415

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Plaster Knives and Saws



KNIVES—PLASTER

B-3395	Esmarch's, with wedge	\$1 50
B-3400	Curved	1 50

SAWS—PLASTER

*B-3405	Bergmann's	1 75
B-3410	Engel's	1 50

SCISSORS—BANDAGE

B-3412	Haslam's, special, flat shanks, very fine, 6 in.....	1 50
B-3414	Haslam's, special, flat shanks, very fine, 7 in.....	1 75
B-3418	Lister's, $4\frac{1}{2}$ in.....	1 00
B-3420	Lister's, $5\frac{1}{2}$ in.....	1 25
B-3425	Lister's, 7 in.....	1 50
B-3430	Lister's, 8 in.....	1 75
B-3415	U. S. A. Pattern	1 50

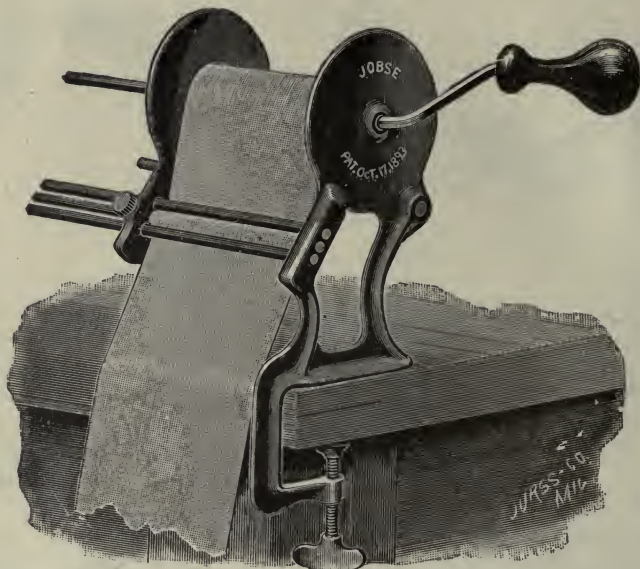
SHEARS—PLASTER

B-3435	Esmarch's, 8 in.....	2 00
B-3440	Esmarch's, $9\frac{1}{4}$ in.....	2 25
B-3445	Esmarch's, 8 in., with eccentric joint.....	2 25
B-3450	Esmarch's, $9\frac{1}{4}$ in., with eccentric joint.....	3 00
B-3455	New York Hospital Pattern	5 00
B-3460	Seutin's	2 75
B-3465	Seutin's, with eccentric joint.....	3 00
B-3470	Stille's, 9 in.....	6 50
B-3472	Stille's, modified by Taylor, $14\frac{3}{4}$ in.....	12 50
*B-3474	Wight's, can also be used as a rib shear.....	3 25

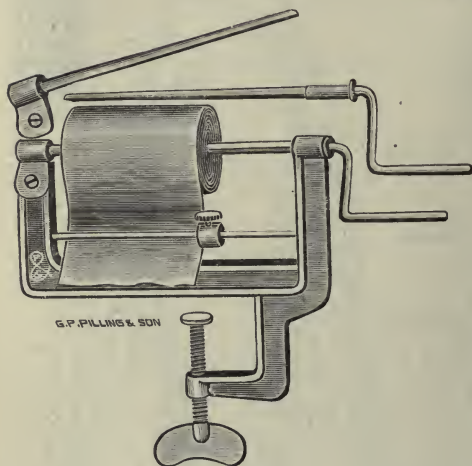
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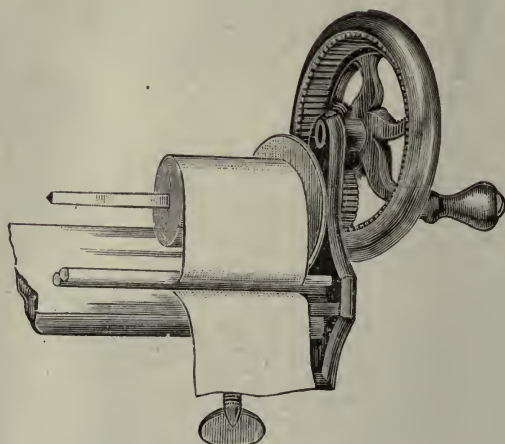
Bandage Rollers



B-3480-3485



B-3490



B-3475

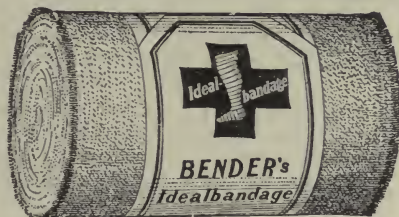
BANDAGE ROLLERS.

B-3475 Crocker's, geared, the best hand bandage roller on the market.....	\$3 50
B-3485 Jobse's, nickel plated	2 00
B-3486 Jobse's, nickel plated, to roll a bandage as wide as 8 in.....	2 50
B-3490 Pelton's,	1 50
*B-3495 Plain, japanned	50

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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Elastic Bandages

B-3500. BENDER'S IDEAL BANDAGE.



B-3500-3530

This new elastic bandage is made entirely of cotton. Its elasticity is due to the peculiar weave of the individual threads. It can be rolled evenly, and reversing is unnecessary.

The continual and even pressure given by the "Ideal" Bandage makes it desirable for use in all cases where a rubber or flannel bandage would be indicated. For the treatment of varicose veins and ulcers, as an abdominal bandage in pregnancy, and for bandaging limbs and joints, it is superior to any other bandage made. It is of signal value in building up the stump after amputation. Being porous, it allows perspiration to evaporate freely, thus insuring a natural condition of the skin.

The "Ideal" Bandage may be washed freely, as washing adds to its elasticity.

Dr. Adolf Lorenz, the Famous Vienna Surgeon, wrote

"I used them for my operations on my American tour, and am very pleased to say that I consider them far superior to the flannel, elastic or any other bandage I heretofore used."

Each bandage measures 6 yards in length when stretched.

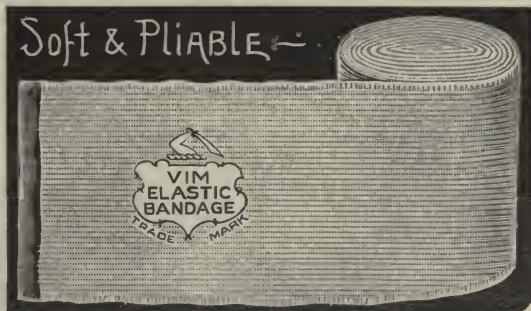
	Width.	Per doz.		Width.	Per doz.
B-3500	2 inches	\$4 00	B-3520	5 inches	\$9 60
B-3505	2½ inches	5 00	B-3525	6½ inches	12 00
B-3510	3 inches	6 30	B-3530	8 inches	15 00
B-3515	4 inches	7 80			

VIM ELASTIC BANDAGE.

Vim Bandage Elastic has the longest stretch of any smooth, uncovered rubber bandage. A uniformly well-made elastic.

Made in 2, 2½ and 3 inches widths.

B-3535	2"x3 yds. stretched..	\$0 35
B-3540	2½"x3 yds. stretched	45
B-3545	3"x3 yds. stretched..	60
B-3550	2"x5 yds. stretched..	50
B-3555	2½"x5 yds. stretched	60
B-3560	3"x5 yds. stretched..	75



B-3535-3560

RED CROSS ELASTIC BANDAGES.

Woven Elastic—Half Dozen in Box.

3 Yards Long—Stretched Measurement.

B-3586	2	inches wide.....	doz.	\$3 00
B-3587	2½	inches wide.....	doz.	3 50
B-3588	3	inches wide.....	doz.	4 50

5 Yards Long—Stretched Measurement.

B-3591	2	inches wide.....	doz.	4 80
B-3592	2½	inches wide.....	doz.	5 40
B-3593	3	inches wide.....	doz.	6 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices on Surgical Dressings and Bandages are Strictly Net.

Surgical Dressings

ROLLER GAUZE BANDAGES.

Linton Gauze Bandages.
In Sealed Cylinders.

One Dozen in Carton—10 Yards Long.

1	inch	wide.....	dozen	\$0 45
1½	inches	wide.....	dozen	55
2	inches	wide.....	dozen	65
2½	inches	wide.....	dozen	75
3	inches	wide.....	dozen	95
3½	inches	wide.....	dozen	1 10
4	inches	wide.....	dozen	1 25

Each Bandage Wrapped—10 Yards Long.

Any width or assorted.....	pound	75
Five pound boxes.....	pound	70



Linton Black Gauze Bandages.

For Head and Face—6 Yards Long.

1½	inches	wide.....	pound	1 00
2	inches	wide.....	pound	1 00
2½	inches	wide.....	pound	1 00
3	inches	wide.....	pound	1 00

Red Cross Plaster Paris Bandages.

In Tins—One Dozen in Box—5 Yards Long.



1½	in.	wide.....	1 50
2	in.	wide.....	1 80
2½	in.	wide.....	2 10
3	in.	wide.....	2 40
3½	in.	wide.....	2 70
4	in.	wide.....	3 00

Red Cross Crinoline Bandages.

One Dozen in Box—5 Yards Long.

1½	inches	wide.....	dozen	65
2	inches	wide.....	dozen	75
2½	inches	wide.....	dozen	85
3	inches	wide.....	dozen	90

Lee's Unbleached Muslin Bandages.

1 inch x 5 yards.....	dozen	45
1½ inches x 5 yards.....	dozen	55
2 inches x 5 yards.....	dozen	65
2½ inches x 5 yards.....	dozen	75
3 inches x 5 yards.....	dozen	95
3½ inches x 5 yards.....	dozen	1 10
4 inches x 5 yards.....	dozen	1 25
Any width or assorted.....	pound	75

One Pound in Box—5 Yards Long.

Any width or assort., 1 to 4 in., pound	75
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Red Cross Flannel Bandages.

White or Red—5 Yards Long.

1½ inches wide.....	dozen	\$2 00
2 inches wide.....	dozen	2 60
2½ inches wide.....	dozen	3 20
3 inches wide.....	dozen	3 80
3½ inches wide.....	dozen	4 40
4 inches wide.....	dozen	5 00
Assorted, 1½ to 4 inches.....	dozen	3 50

ABSORBENT COTTON.

Red Cross Sterilized.

Plain—Blue Carton and Blue Tissue.

Jelco Brand—Green Carton and Pink Tissue.

1	pound	cartons.....	pound	\$0 40
½	pound	cartons.....	pound	45
¼	pound	cartons.....	pound	55
⅛	pound	cartons.....	pound	60
1	ounce	cartons.....	pound	65
½	ounce	cartons.....	pound	85



ANTISEPTIC COTTON.

Medicated.

Borated—Carbolated—Sublimated.

1	pound	cartons.....	pound	55
½	pound	cartons.....	pound	60
¼	pound	cartons.....	pound	65
⅛	pound	cartons.....	pound	70
1	ounce	cartons.....	pound	75

Styptic Cotton.

1	ounce	bottles.....	dozen	1 75
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Lintline.

1	pound	cartons.....	pound	60
½	pound	cartons.....	pound	65
¼	pound	cartons.....	pound	70
1	ounce	cartons.....	pound	80

Lambs' Wool.

1	pound	cartons.....	pound	1 95
½	pound	cartons.....	pound	2 00
¼	pound	cartons.....	pound	2 10
1	ounce	cartons.....	pound	2 25
½	oz. cartons, ½ lb. in packer.		pound	2 50

Wool Tampons.

14	in.	long, 1 in. diameter.....	dozen	1 50
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Oakum.

1	pound	package.....	pound	25
1	ounce	package.....	pound	50
50	pound	bales.....	pound	12

Surgeons' Red Cross Aseptic Towels.

Each	in	carton.....	dozen	1 00
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Mogaze Sponges (Mops).

Small, 25	in	carton, 2 in.....	carton	20
Medium, 25	in	carton, 4 in.....	carton	40
Large, 25	in	carton, 6 in.....	carton	60

Bernays' Sponges.

4	dozen	in box.....	box	75
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Red Cross Handkerchiefs.

100	in	box.....	box	1 25
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Cargile Membrane.

Plain, Chromic or Adhesive.

Envelopes (sheet 4x6 ins.).....	dozen	2 00
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Baer's Membrane.

Envelopes (sheet 4x6 ins.).....	dozen	10 00
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Prices on Surgical Dressings and Bandages are Strictly Net.

Surgical Dressings

PLAIN GAUZE.

Red Cross Gauze.

Sterilized.

1 yard in carton.....dozen	\$1 25
5 yards in carton.....dozen	4 20
25 yards in carton.....carton	1 50
100 yards in carton.....carton	5 50

Special prices on Plain Gauze in bulk given on application.

Bellevue Gauze.

1 yard in carton.....dozen	1 00
5 yards in carton.....dozen	3 60
25 yards in carton.....carton	1 40
100 yards in carton.....carton	5 00

Red Cross Gauze, Capsules.

Plain	dozen	80
Borated	dozen	1 00
Carbolated	dozen	1 00
Corrosive Sublimate (1-1000 or 1-2000)	dozen	1 00
Iodoform, 5 per cent.	dozen	1 80
Iodoform, 10 per cent.	dozen	2 00

ANTISEPTIC GAUZES.

Dry in Carton.

Borated—Carbolated—Sublimated.

1 yard in carton.....dozen	1 75
5 yards in carton.....dozen	7 80
25 yards in carton.....dozen	24 00

LINTON MOIST GAUZE.

Borated—Carbolated—Sublimated.

1 yard in glass jar.....dozen	2 00
5 yards in glass jar.....dozen	9 00
25 yards in glass jar.....jar	2 25

Iodoform Gauze—5 Per Cent.

1 yard in glass jar.....dozen	3 60
5 yards in glass jar.....dozen	15 00
25 yards in glass jar.....jar	3 75



Iodoform Gauze—10 Per Cent.

1 yard in glass jar.....dozen	4 00
5 yards in glass jar.....dozen	16 20
25 yards in glass jar.....jar	4 25

GAUZE STRIPS AND PACKERS.

Nu Gauze Strips.

Selvage edge, Continuous Lengths.

Glass Tubes.

Plain Aseptic, 1/2 or 1 in.....dozen	\$1 50
Borated, 1/2 or 1 in.....dozen	1 75
Cor. Sub. (1-1000) 1/2 or 1 in.....dozen	1 75
Iodoform—5 per cent. 1/2 or 1 in.....dozen	2 50

PROTECTIVES.

Zonas Oiled Silk.

1/2 yard in box.....box	\$0 60
1 yard in box.....box	1 00
5 yards in box.....box	4 50
1 yard in box, extra heavy.....box	1 25
5 yards in box, extra heavy.....box	5 00
Pieces, 12x14 inches.....dozen	2 00

Zonas Oiled Muslin.

1 yard in roll or box.....box	75
5 yards in roll or box.....box	3 25
Pieces, 12x12 inches.....dozen	1 50

Oiled Dressing Paper.

25-yd. rolls, 24 ins. wide.....doz. rolls	9 00
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GUTTA PERCHA TISSUE.

In Tubes or Boxes as Ordered.

Light or medium, 1 yd.....ea	50
Light or medium, 5 yds.....ea	2 00
Ex. heavy English, 1 yd.....ea	40
Ex. heavy English, 5 yds.....ea	2 50

RUBBER DAM.

Murphy's Sterile Rubber Dam, 7 ins. wide x 36 ins. long, with bottle of aseptic gum	1 50
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RUBBER DAMS.

Light	per lb.	4 50
Medium	per lb.	4 50
Heavy	per lb.	4 50



Lister's Sanitary Towels.

One Dozen in Carton.

Small	per gross	2 40
Medium	per gross	3 00
Large	per gross	3 60
Compressed, medium only.....		5 00

MATERNITY PACKETS.

Dr. Simpson's, complete packet.....	2 25
Dr. Cook's, complete packet.....	6 50

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Surgical Dressings and Sundries

ADHESIVE PLASTERS.



"Z O" ADHESIVE. Strong Cotton Cloth.

1-yd. rolls, 7 in. wide, plain or porous dozen	\$4 20
5-yd. rolls, 7 in. wide, plain or porous roll	1 50
5-yd. rolls, 12 in. wide, plain only..roll	2 00

ON SPOOLS—Strong Cotton Cloth.

5-yard Spools.

1/2 inch wide...doz.	3 00
1 inch wide...doz.	3 60
1 1/2 inch wide...doz.	4 20
2 inches wide...doz.	4 80
2 1/2 inches wide...doz.	6 00
3 inches wide...doz.	7 20

10-yard Spools.

1/4 inch wide...doz.	4 20
1/2 inch wide...doz.	4 80
1 inch wide...doz.	6 00
1 1/2 inch wide...doz.	7 20
2 inches wide...doz.	8 40
2 1/2 inches wide...doz.	10 80
3 inches wide...doz.	13 20

"Z O" Aseptic Adhesive Strips.

1/4 in., 10 ins. long, 12 in envelope...gross	10 00
1/2 in., 10 ins. long, 8 in envelope...gross	10 00
1 in., 10 ins. long, 4 in envelope...gross	10 00

DE LA COUR'S ADHESIVE PLASTER.

Non-Irritating.

Diachylon Base

(Emp. Plumb).

On Strong Cotton Cloth.

10-yd. rolls, 14 inches wide	21 00
5-yd. rolls, 14 inches wide	11 40
1-yd. rolls, 7 inches wide	2 25

On Moleskin.

5-yd. rolls, 12 inches wide	24 00
1-yd. rolls, 6 inches wide	3 00

Canthos.

Blister Plaster.

1-yd. rolls, 7 in. wide not porous...	dozen 12 00
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Sputum Cups and Holders.

Lister's Cups, 50 in carton...	per 100 1 75
Red Cross Cups, 25 in carton...	per 100 3 00
Johnson's Aseptic Sputum Cup Holder, tin with aluminum finish, spring cover	dozen 2 00
Johnson's Paper Sputum Cups, 10 in carton	per 100 1 00

Synol Soap.

Four ounce bottles gross	\$24 00
Ten ounce bottles gross	48 00
Gallon cans...	can 2 50
Half-gal. cans...	can 1 50



Synol Soap Holder.

Dispenser, glass, 8 oz. capacity....ea. 1 50



1/4 inch wide...doz.	4 20
1/2 inch wide...doz.	4 80
1 inch wide...doz.	6 00
1 1/2 inch wide...doz.	7 20
2 inches wide...doz.	8 40
2 1/2 inches wide...doz.	10 80
3 inches wide...doz.	13 20

"Z O" Aseptic Adhesive Strips.

1/4 in., 10 ins. long, 12 in envelope...gross	10 00
1/2 in., 10 ins. long, 8 in envelope...gross	10 00
1 in., 10 ins. long, 4 in envelope...gross	10 00

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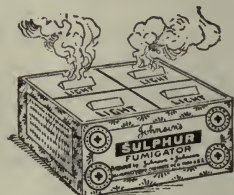
Canthos.

Blister Plaster.

1-yd. rolls, 7 in. wide not porous...	dozen 12 00
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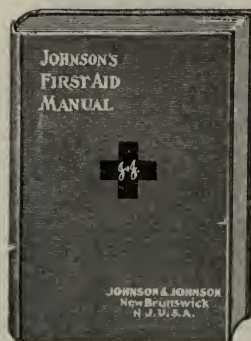
Sputum Cups and Holders.

Lister's Cups, 50 in carton...	per 100 1 75
Red Cross Cups, 25 in carton...	per 100 3 00
Johnson's Aseptic Sputum Cup Holder, tin with aluminum finish, spring cover	dozen 2 00
Johnson's Paper Sputum Cups, 10 in carton	per 100 1 00



Fumigators.

Casino Pastils, 24 in box...	gross boxes 18 00
Lister's Formaldehyd, large...	dozen 4 00
Lister's Formaldehyd, small...	dozen 2 50
Wood's Formaldehyd, small...	dozen 75
Wood's Formaldehyd, large...	dozen 1 75
Sulphur, square, 4 in box...	doz. boxes 2 00
Sulphur, round, each on a tin plate gross	dozen 10 00
"Formaldehyd-Sulphur" Torch...	dozen 2 00



Johnson's First Aid Manual.

Paper bound	dozen 2 00
Cloth bound	dozen 4 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices on Surgical Dressings and Bandages are Strictly Net.

General Operating



B-4355



B-4380. Front.



B-4387

OPERATING GOWNS.

*B-4350	Plain Operating Gown, No. 40, white drill, sleeveless	\$1 50
B-4355	Plain Operating Gown, No. 41, white drill, short sleeves	1 50
B-4360	Plain Operating Gown, No. 42, white drill, long sleeves	1 50
B-4365	Plain Operating Gown, No. 43, linen, sleeveless	2 25
B-4370	Plain Operating Gown, No. 44, linen, short sleeves	2 50
B-4375	Plain Operating Gown, No. 45, linen, long sleeves	2 50
B-4380	Bergmann's Operating Gown, No. 60, white drill	2 25
B-4385	Bergmann's Operating Gown, No. 61, linen	2 50

The gowns listed above are made in the following lengths and chest measurements.

Length	50 in.	52 in.	52 in.	54 in.	56 in.	58 in.	60 in.
Chest	38 in.	40 in.	42 in.	44 in.	46 in.	48 in.	48 in.
B-4386	Contagious Disease Gown, drill, length 52 in., chest 42 in.						2 50
B-4387	Contagious Disease Gown, drill, length 56 in., chest 44 in.						2 50
B-4388	Contagious Disease Gown, drill, length 60 in., chest 48 in.						2 50
B-4389	Contagious Disease Gown, linen, in any of above sizes						3 50
B-4395	Apron, No. 70, white drill, short						1 00
B-4400	Apron, No. 71, white drill, medium						1 00
B-4405	Apron, No. 72, white drill, long						1 00
B-4410	Apron, No. 73, linen, short						1 10
B-4415	Apron, No. 74, linen, medium						1 25
B-4420	Apron, No. 75, linen, long						1 35
B-4425	Apron, No. 76, rubber, short						1 50
B-4430	Apron, No. 77, rubber, medium						1 75
B-4435	Apron, No. 78, rubber, long						2 00
B-4440	Skull Caps, No. 79, white drill						50
B-4445	Skull Caps, No. 80, linen						75
B-4447	Skull Caps, ventilated						75



B-4395

Note.—Special sizes in gowns listed above made to order promptly.

THE ROCHESTER HEAD AND FACE COVER.

This cover was designed by the Drs. Mayo of St. Mary's Hospital, Rochester Minn., is made of gauze, with draw string to fasten around the throat and with slit opening for the eyes. Is cool and effective.

B-4390 Head Cover, Mayo's, gauze, each \$.35; per doz. 3 00

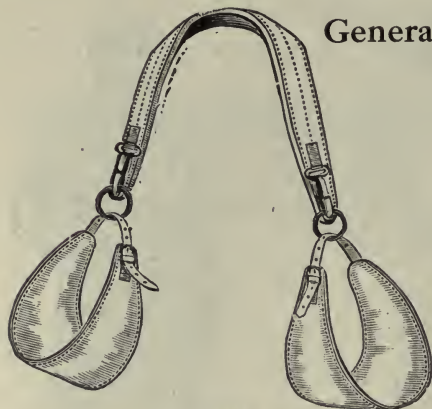
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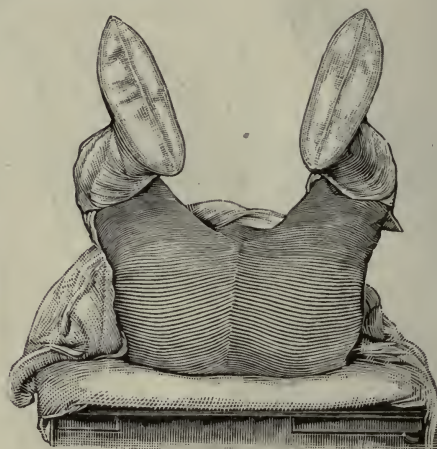


B-4390

General Operating



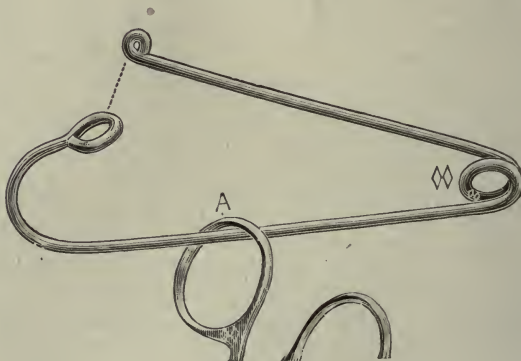
B-4455



B-4460. Front view.



B-4475



B-4470

LEG HOLDERS.

- *B-4450 Clover's, adjustable, leather covered \$7 00
 B-4455 Kelly's, made of heavy canvas..... 1 25
 B-4460 Mallett's, made of stout canvas..... 2 00
- It consists of two parts, a pair of stout canvas stockings and a short shoulder strap. There are no buckles, which are always difficult to adjust, but it is adjusted like an ordinary trouser suspender. The stockings are drawn over the feet and the legs flexed upon the abdomen. The band is then run under one shoulder, around the back of the neck, and over the other shoulder. The ring at each end of the band is then slipped into the clasp attached to the outside of each stocking, and the patient is in position.
- *B-4465 Robb's, made of heavy canvas..... 1 00

SUNDRIES.

- B-4470 Bunt's Clamp for holding haemostatic forceps and scissors, each \$.15; doz. 1 75
 B-4475 Gosman's Rust Preventif, small jar size of illustration..... 25
 *B-4480 Gosman's Rust Preventif, large jar..... 50
- A positive preventative against rust. It is not affected by severe climatic changes.
- *B-4485 Nail Cleaner, Dr. G. R. Fowler's.....each 25
 *B-4490 Extra Cleaning Strings for handle.....per gross .3 00

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Section “C”

Eye

Tracheal

Ear

Laryngeal

Nasal

Oesophageal

Dermal

Stomach

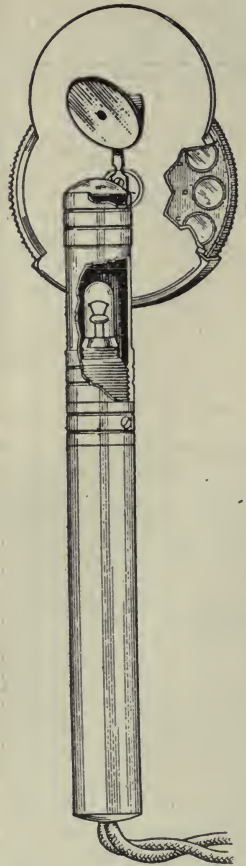
Oral

Intestinal

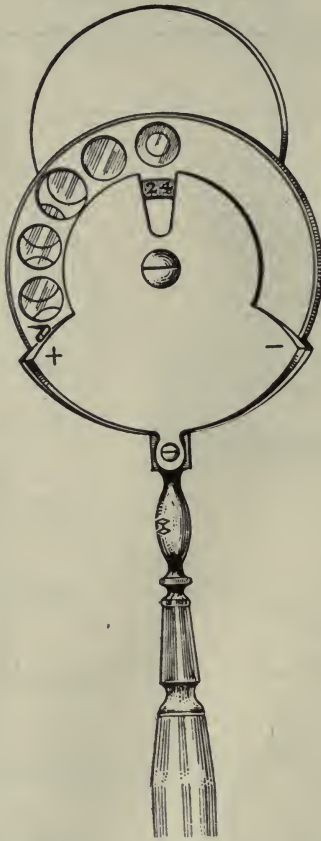
Tonsil

Gall Bladder

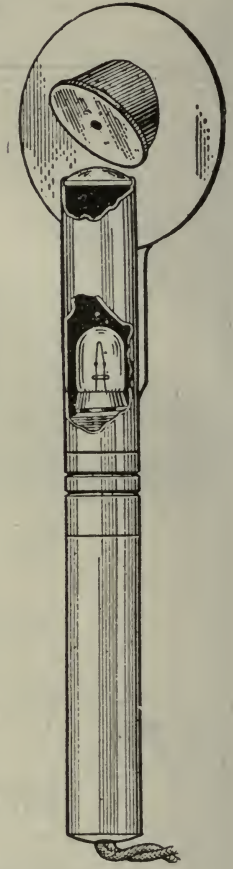
Eye Instruments



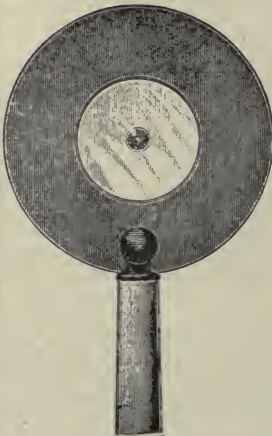
C-1



C-5



C-15



C-35



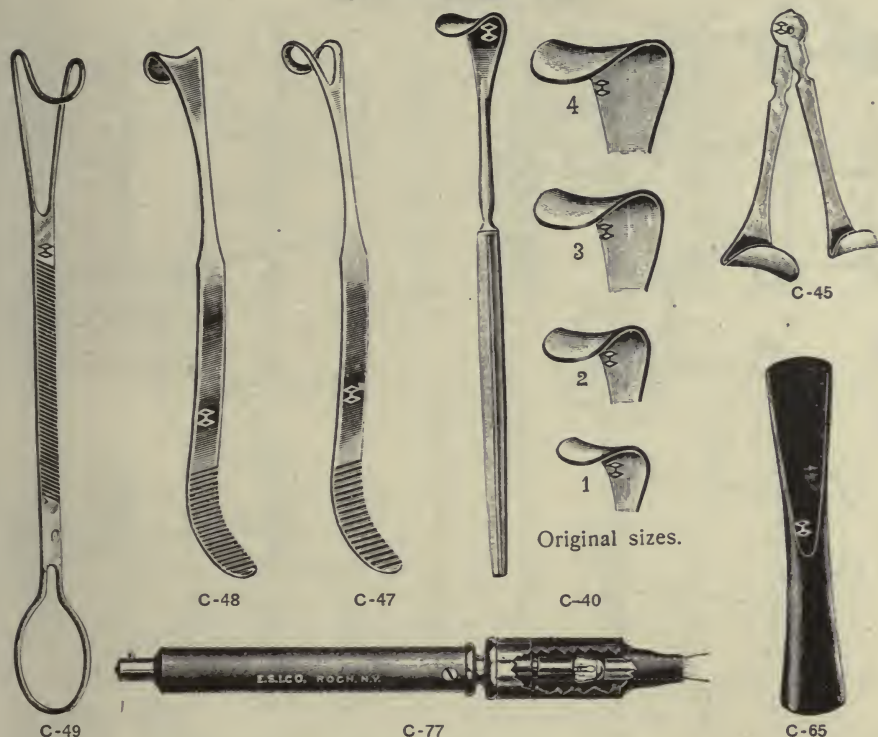
C-25



C-20

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Eye Instruments



OPHTHALMOSCOPES.

C-1	De Zeng's, luminous, in case.....	\$15 00
C-5	Loring's, with quadrant, tilting mirror, and condensing lens, giving a total series of 65 combinations, in case.....	5 00
*C-10	Morton's, complete in case.....	18 00

RETINOSCOPES.

C-15	De Zeng's, luminous.....	15 00
C-20	Plano, or concave, 1½ inch and 2 inch.....	1 00
C-25	Folding Handle	1 00
C-35	Thorington's	1 00

RETRACTORS.

C-40	Desmarre's, 4 sizes.....	1 00
C-45	Desmarre's, jointed, 2 sizes.....	1 00
C-47	Fisher's, fenestrated blade, flexible, for shaping.....	1 10
C-48	Fisher's, solid blade, flexible, for shaping.....	90
C-49	Moraweck's, fenestrated	1 00
*C-50	Noyes', fenestrated	1 50
*C-55	Stevens', shell	1 25
*C-60	Walton's, fenestrated	1 50

LID PLATES.

C-65	Jaeger's, hard rubber	25
*C-70	Jaeger's, ivory	1 00

STRABISMOMETER.

*C-75	Lawrence's, ivory	1 75
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TRANSILLUMINATOR.

C-77	Transilluminator, E. S. I. Co.'s, ocular.....	net 4 00
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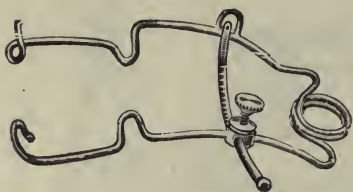
This instrument, originally suggested by Dr. R. D. Gibson, of Youngstown, Ohio, for the purpose of transillumination of the eye through the lids and sclera, is simple in construction and effective in operation, consisting in brief of a small hooded condenser lamp, the light from which passes through a short enclosed glass rod, about 5 mm. in diameter, to the tip of the instrument which, being placed against the lid or sclera gives, in the normal eye, brilliant illumination in the pupil and a well marked light-ring around the iris.

The instrument has the general size and shape of a fountain pen, has a 4-volt lamp and may be lighted on battery, socket current controller, wall plate or transformer. To obtain the most satisfactory results it should be used in a well darkened room.

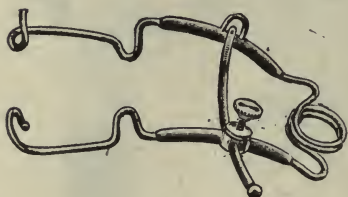
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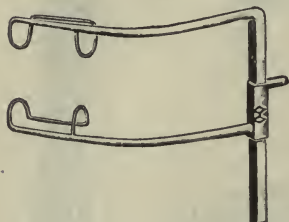
Eye Instruments



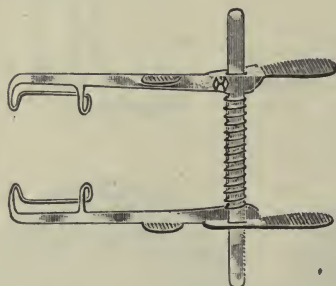
C-125



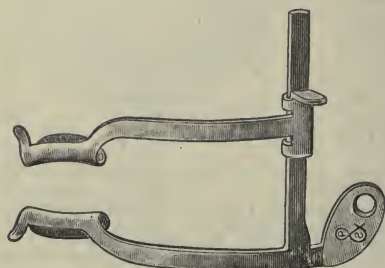
C-85



C-112



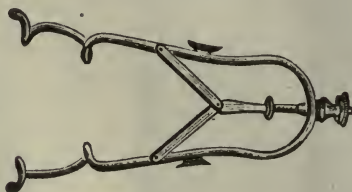
C-117



C-110



C-127



C-115



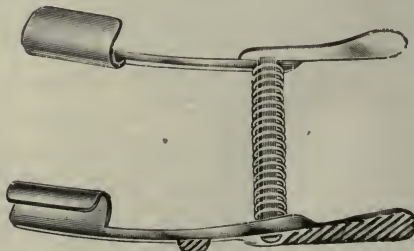
C-126



C-107



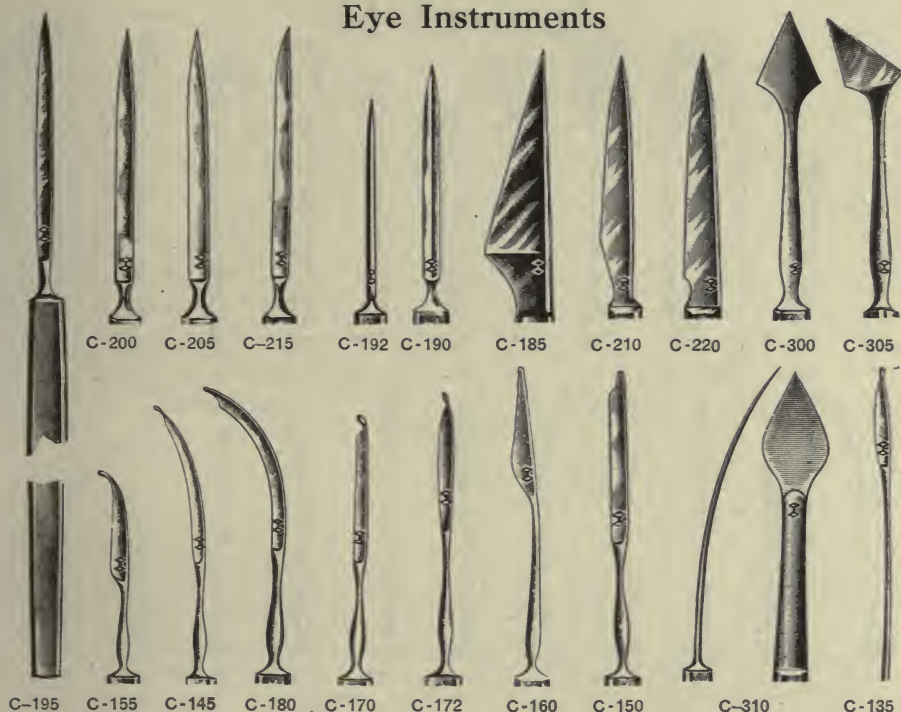
C-130



C-80

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Eye Instruments



EYE SPECULUMS.

C-80	Beard's	\$1 50
C-85	Critchett's	1 00
*C-90	Fox's, improved	1 75
*C-95	Galante's	1 50
*C-100	Graefe's, plain	1 00
*C-105	Hinged	2 50
C-107	Major Smith's	2 75
C-110	Monosmith's	1 75
C-112	Murdock's	1 75
C-115	Noyes'	1 00
C-117	Pana's, improved	1 00
C-120	Payne's	2 25
C-125	Plain wire, with set screw	1 00
C-127	Plain wire	30
C-130	Steven's	1 25
C-132	Ziegler's	3 50

CANALICULA KNIVES.

C-135	Agnew's	1 25
C-140	Bowman's, sharp (page 196)	1 35
*C-145	Bowman's, probe pointed	1 35
C-150	Noyes'	1 50
C-155	Noyes-Stilling's	1 50
C-160	Schmidt-Rimpler's	1 50
*C-165	Thomas'	1 50
C-170	Weber's, straight	1 35
C-172	Weber's, straight, English pattern	1 35
C-175	Weber's, half curved	1 35
C-180	Weber's, full curved	1 35

CATARACT KNIVES.

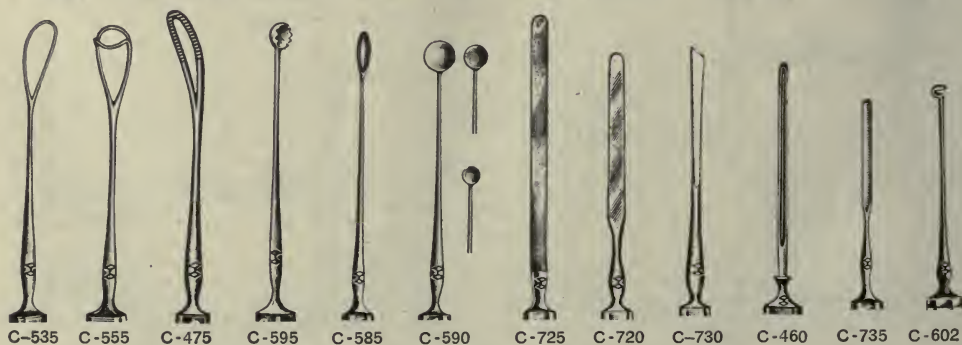
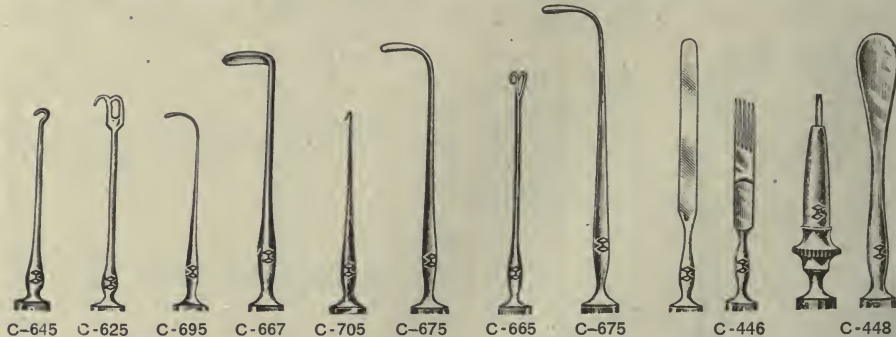
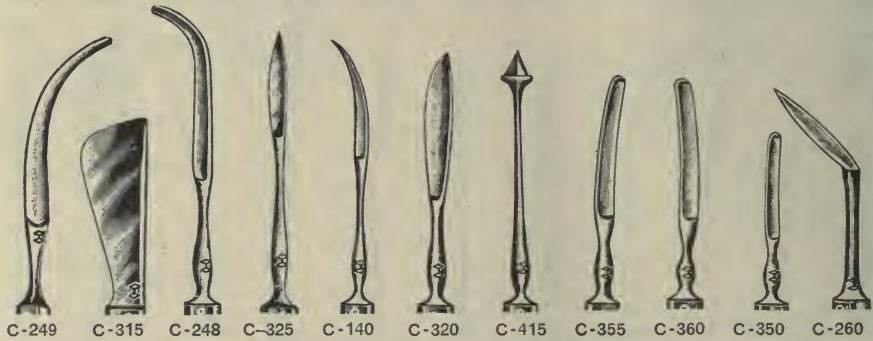
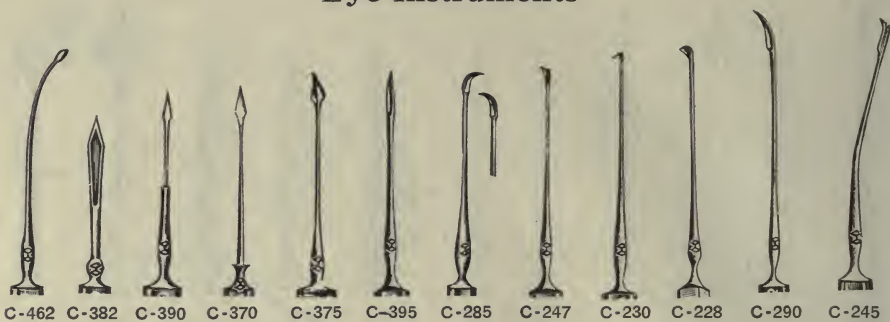
C-185	Beer's, 3 sizes	1 50	C-205	Graefe's, large	1 50
C-190	Deutschmann's, double edged	1 50	C-210	Jackson's	1 50
C-192	Graefe's, very delicate	1 50	C-215	Knapp's	1 50
C-195	Graefe's, small	1 50	C-220	Monoyer's	1 50
C-200	Graefe's, medium	1 50	*C-225	Schweigger's	1 50

KERATOMES.

C-300	Jaeger's, straight, 3 sizes	1 35	C-310	Landolt's, curved	1 50
C-305	Jaeger's, angular, 3 sizes	1 50	*C-312	Lichtenberg's, angular, probe	2 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

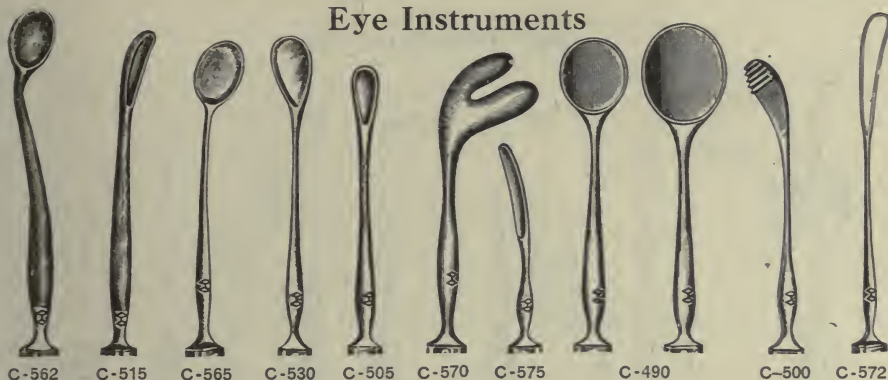
Eye Instruments



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Eye Instruments



CYSTOTOMES.

C-228	Beard's	\$1 25
C-230	Graefe's	1 25
*C-235	Graefe's, right	1 25
*C-240	Graefe's, left	1 25
C-245	Knapp's	1 25
C-247	Wilder's	1 25

ENUCLEATION KNIVES.

C-248	Monosmith's	1 50
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EXCENTRATION KNIVES.

C-249	Beard's, knife spatula	1 50
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IRIDECTOMY KNIVES.

C-260	Agnew's	1 50
*C-265	Critchett's	1 50

IRIS KNIVES.

*C-270	Adams'	1 50
*C-275	Double Edge	1 50
*C-280	Single Edge, with stop	1 25
C-285	Graefe's	1 50
C-290	Hayes'	1 25
*C-295	Sichel's	1 25

LID KNIVES.

C-315	Beard's	1 35
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SCALPELS.

C-320	Bellied, 3 sizes, each	1 25
C-325	Centre Point, 3 sizes, each	1 25

SCARIFIERS.

*C-330	Desmarre's	1 50
*C-335	Graefe's	1 50

SCLERATOMES.

*C-340	De Wecker's	1 50
*C-345	Galezowski's	1 50

SECONDARY KNIVES.

*C-347	Blake's, straight	1 50
C-350	Straight Edge	1 25
C-355	Concave Edge	1 25
C-360	Convex Edge	1 25
*C-365	Galezowski's	1 50

CATARACT NEEDLES.

C-370	Straight	1 10
C-375	Curved	1 10
C-382	Walton's, grooved	1 50

IRIS NEEDLES.

*C-385	Beer's, straight	1 10
C-390	Bowman's, with stop	1 10
C-395	Knapp's, knife	1 50
*C-400	Knapp's, with stop	1 50
*C-405	Zinn's	1 50

PARACENTESIS NEEDLES.

*C-410	Plain	1 25
C-415	Desmarre's, straight	1 25

SUTURE NEEDLES.

*C-425	De la Roza's	1 25
*C-430	Himley's	1 25
*C-435	Prince's	1 50

TATTOOING NEEDLES.

*C-440	Agnew's	1 50
*C-445	Baeder's	1 50

C-446	Baeder's, with spatulae	\$2 00
C-448	De Wecker's, with spatulae	2 00

GOUGES.

*C-450	Kuhnt's	1 25
*C-455	Kuhnt's	1 25
*C-457	Todd's, triangular point	1 25
C-460	Walton's	1 25

SCOOPS.

C-475	Arlt's, fenestrated	1 50
*C-480	Bowman's, fenestrated	1 25
C-490	Bunge's, excentration	1 50
*C-495	Critchett's	1 25
C-500	Critchett's, serrated	1 25
C-505	Daviel's	1 25
C-515	Graefe's, hard rubber	1 00
*C-520	Graefe's, shell	1 25
C-530	Knapp's, silver	1 50
C-535	Lewis', fenestrated	1 25
*C-540	Noyes'	1 25
C-555	Prince's, fenestrated cataract retractor	1 50
C-560	Schmidt-Rimpler's	1 25
C-562	Shell, lens, curved	1 50
C-565	Waldau's, silver	1 50
C-570	Well's, enucleation	1 25
C-572	Wilder's, fenestrated	1 25

CURETTES.

C-575	Daviel's, chalazion	1 10
C-585	Hebra's, chalazion	1 25
C-590	Meyeroheffer's, chalazion	1 25
C-595	Skeel's chalazion	1 50
C-602	Wheeler's, corneal	1 50

HOOKS.

*C-615	Enucleation, De Wecker's	1 50
*C-620	Enucleation, Schweigger's	2 00
C-625	Fixation, Guthrie's	1 25
*C-630	Foreign body, Graefe's	1 25
*C-640	Iris, angular, blunt	1 10
C-645	Iris, Tyrrell's, blunt	1 10
C-650	Iris, Tyrrell's, sharp	1 10
*C-655	Lens, Graefe's, blunt	1 10
*C-660	Lens, Graefe's, sharp	1 10
C-665	Lens, Graefe's, retractor	1 25
C-667	Pterygium, Prince's	1 50
*C-670	Strabismus, Agnew's	1 10
C-675	Strabismus, Graefe's, 3 sizes	1 00
*C-680	Strabismus, sharp	1 00
C-695	Tendon, Steven's	1 00
*C-700	Traction, Graefe's	1 25
C-705	Traction, Stevens'	1 25
*C-710	Divulsor, Stevens'	1 25
*C-715	Ophthalmostate, Schweigger's	1 25

SPATULAES.

C-720	Flexible, silver	1 00
C-725	Flexible, shell	1 25
C-730	Daviel's, silver	1 00

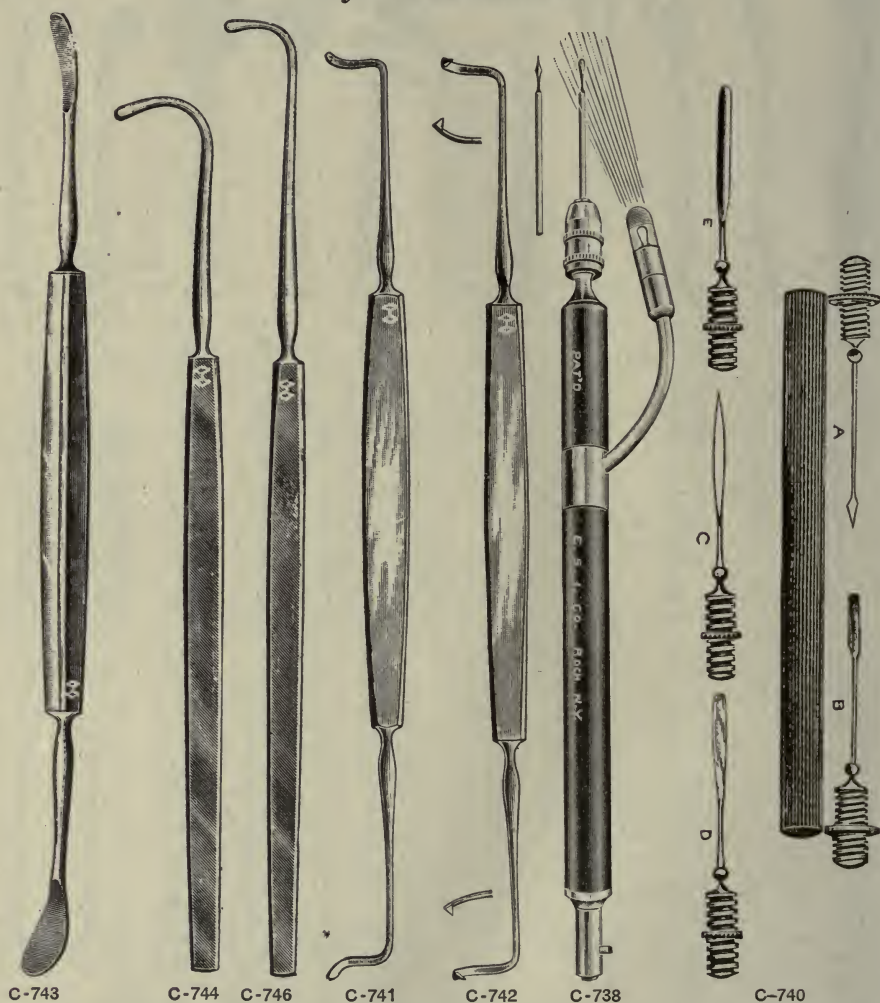
SPUDS.

C-735	Dix's	1 00
*C-736	La Force's	1 25
C-737	Wheeler's, corneal	1 50
	(Same as C-602.)	

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Eye Instruments



- C-738 Illuminated Eye Spud, E. S. I. Co.'s, with 2 spuds.....net \$4 00
 This self-illuminating spud greatly facilitates the removal of foreign bodies from the cornea. The source of condensed illumination and the spud being incorporated in one instrument, both controlled with one hand, leaves the other free for holding open the lids, so that neither speculum nor assistant are required. The lamp may be lighted on battery, socket current controller, wall plate or transformer.
- C-740 Double Eye Instrument, for pocket, any combination of A, B, C, D or E points..... 1 25
- C-741 Corelysis Hook, Fox's, double, shanks and ends gold plated..... 2 00
- C-742 Cystotome, Fox's, double, shanks and ends gold plated..... 2 50
- C-743 Spatula, Smith-Green's, double..... 1 50
- C-744 Lid Retracting Hook, Smith-Green's..... 1 25
- C-746 Pressure Hook, Smith-Green's..... 1 25

The last three instruments are used in the operation of extracting the lens within the capsule.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Eye Instruments

C-747. VICTOR GIANT EYE MAGNET.

Great strength, perfect poise, ease of manipulation and absolute control of the magnet field have been combined in the design and construction of this magnet.

The magnet alone weighs 50 pounds and has a lifting power of approximately 400 pounds to the square inch. The crane, although weighing with the magnet over a hundred pounds, is mounted on light running casters and can be moved without any great effort. The chief advantage of this construction is that the patient may be laid on a couch or operating table and the crane moved into such a position that the magnet is suspended directly over him, and then by means of raising and lowering mechanism, the magnet may be lowered to the exact position desired; the accidental lowering of the magnet is impossible. It is best to use a rheostat so that its immense pulling power can be kept under perfect control. We strongly advise the use of the foot controller in preference to the one used by hand, for the reason that the use of the former allows the operator perfect freedom in the use of both hands, as well as enabling him to concentrate his attention upon the work in hand.

Price of 110 V. D. C. Giant Magnet on Crane. \$85 00

Price of 110 V. A. C. Giant Magnet on Crane. 135 00

Price of 110 V. D. C. Giant Magnet on Base. 60 00

Price of 110 V. A. C. Giant Magnet on Base. 40 00

Price of Foot Rheostat. 25 00

Price of Wall Rheostat. 9 00

Price of Flexible Tip. 7 50



C-747



C-748

C-748. VICTOR NO. 2 LITTLE GIANT EYE MAGNET.

The No. 2 Little Giant Eye Magnet has a little over one-fourth the strength of the large Victor Giant Magnet. It can be raised or lowered, swivelled and tilted.

It is provided with two interchangeable gold-plated tips and is equal in appearance and workmanship to the larger magnet.

Price for 110 or 220 Volt current for batteries. \$25 00

Price for Hand Controller Rheostat. 5 00

C-749. VICTOR NO. 3 EYE MAGNET.

This magnet is 5¾ inches long without tip, and 1¾ inches in diameter; we supply with it 4 gold plated tips and an attachment plug and cord. The Victor No. 3 is by far the strongest hand or portable magnet on the market; it is completely covered with polished hard rubber, the case is leather and plush lined.

Price for 110 Volt direct current, or
for batteries as shown in case. \$12 00

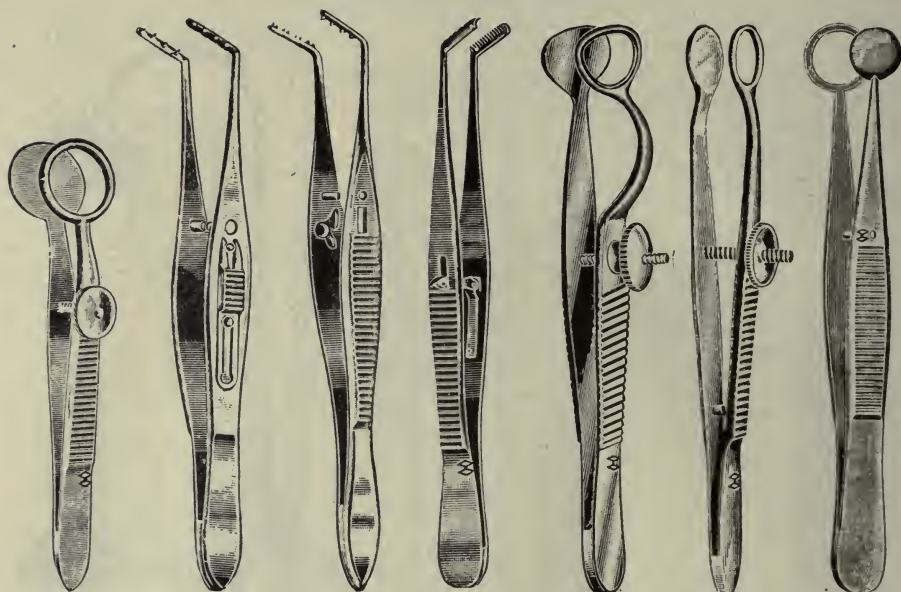


C-749

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 5% will be allowed for Cash with Order or C. O. D. shipments on Electrical Apparatus.

Eye Instruments



C-778

C-745

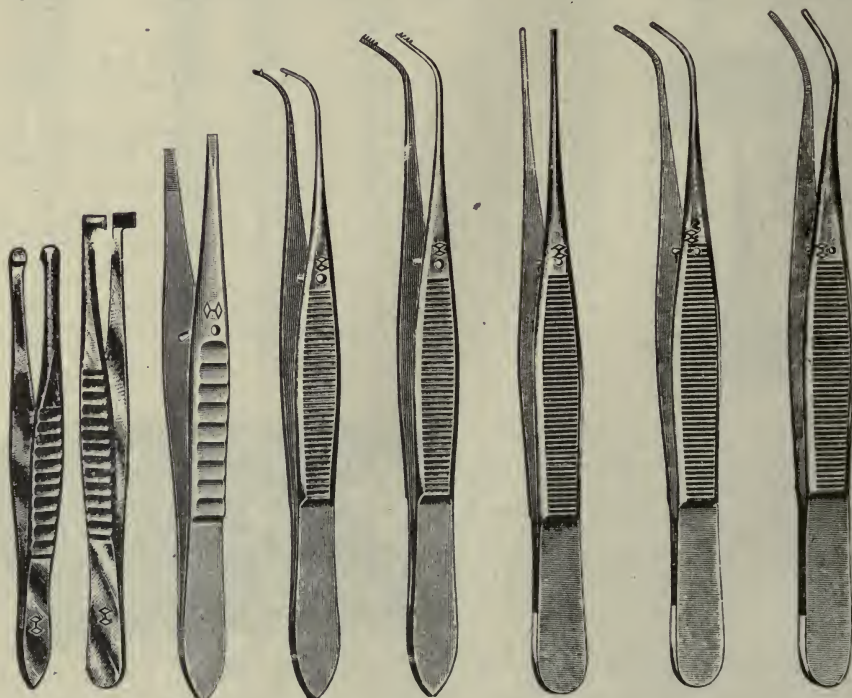
C-750

C-752

C-775

C-780

C-770



C-795

C-810

C-792

C-755

C-764

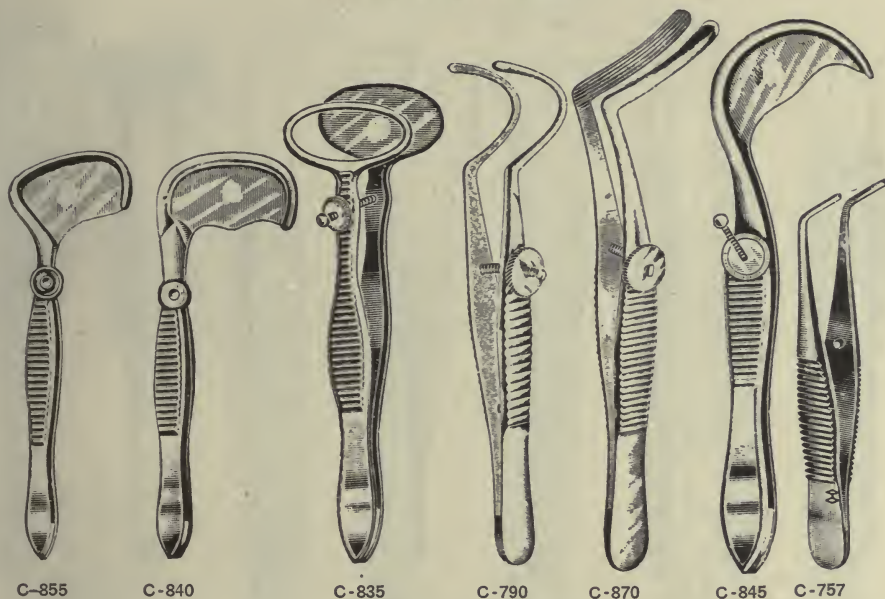
C-815

C-825

C-820

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 on items marked net.

Eye Instruments



C-855

C-840

C-835

C-790

C-870

C-845

C-757

FORCEPS—ADVANCEMENT.

C-745	Hotz's	.....	\$1 75
C-750	Prince's	.....	1 75
C-752	Reese's	.....	3 00

CAPSULAR.

C-755	Foerster's	.....	1 10
C-757	Fuch's, Vienna pattern	.....	1 50
*C-760	Knapp's	.....	4 00
C-764	Schweigger's	.....	1 25
*C-765	Smith's	.....	4 00

CHALAZION.

C-770	Ayer's	.....	1 50
C-775	Francis'	.....	2 50
C-778	Hunt's	.....	2 50
C-780	Lambert's	.....	2 50
*C-785	Starkey's	.....	2 50
C-790	Wilder's, clamp	.....	2 00

CILIA.

C-792	Douglass', illustration shown full size	.....	50
C-795	Fine, broad points	.....	50
*C-800	Fine, narrow points	.....	50
*C-805	Henry's	.....	2 00
C-810	Piffard's	.....	75

DRESSING.

C-815	Straight, serrated points	.....	65
C-820	Curved, serrated points	.....	75
C-825	Full curved, serrated points	.....	75

ENTROPIUM.

C-830	Cross Bar	.....	2 00
C-835	Desmarre's	.....	1 75
C-840	Knapp's, right or left	.....	2 25
C-845	Lawrence's, right or left	.....	2 25
*C-850	Noyes', right or left	.....	2 00
C-855	Snellen's, right or left	.....	2 25

ENUCLEATION.

*C-860	Blitz's	.....	3 00
*C-865	Vulsellum, straight	1 50

LID

C-870	Beard's	2 25
*C-875	Fisher's	2 00
C-880	Kuhnt's	1 75



C-830



C-880

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Eye Instruments



C-950

C-970

C-975

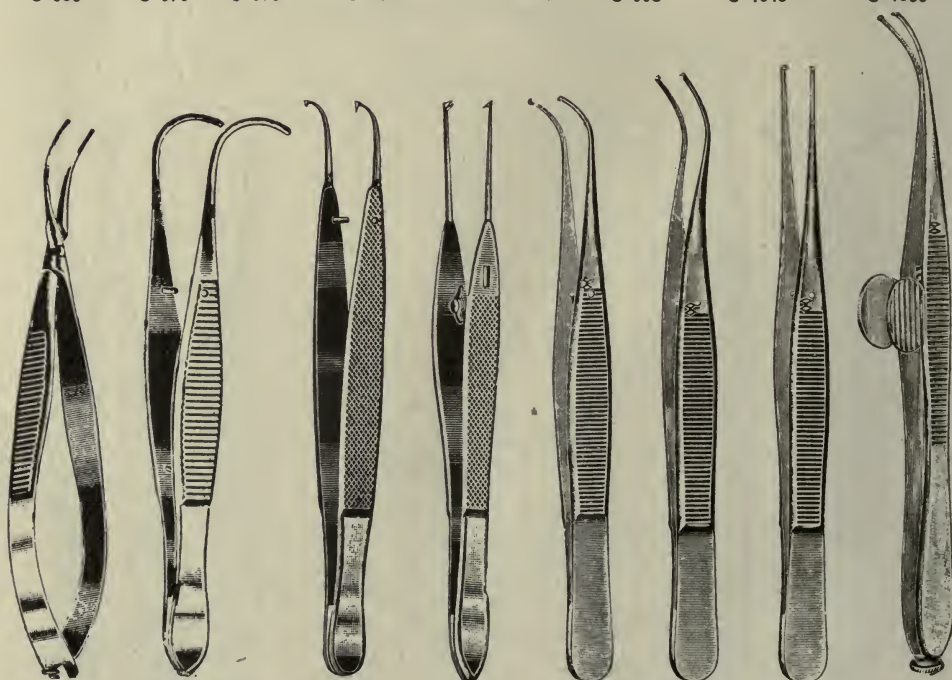
C-1035

C-1005

C-998

C-1015

C-1000



C-945

C-1010

C-985

C-990

C-935

C-930

C-925

C-965

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Eye Instruments



C-955



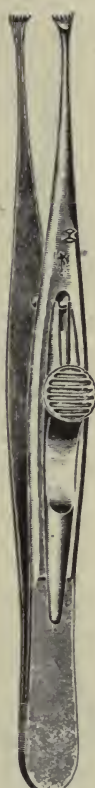
C-892



C-895



C-890



C-910



C-915



C-960

EYE FORCEPS. FIXATION.

*C-885	Dudley's	\$2 50
C-890	Graefe's	1 25
C-892	Noyes', curved, with spring catch	1 50
C-895	Plain, straight	1 00
*C-900	Plain, curved	1 10
C-910	Schweigger's	2 00
C-915	Stevens'	1 75

IRIS.

C-925	Straight, fine mouse tooth points	75
C-930	Curved, fine mouse tooth points	75
*C-935	Full curved, fine mouse tooth points	1 00
C-940	Collin's, curved	2 50
C-945	Collin's, full curved	2 50
C-950	Dohnberg's	1 25
C-955	Fisher's	1 00

C-960	Heinmann's	\$1 50
C-965	Liebrich's	3 50

STRABISMUS.

C-970	Straight	80
C-975	Curved	90
*C-980	Full curved	1 00

TENDON.

C-985	Stevens', curved	1 00
C-990	Stevens', straight	1 00

TRACHOMA.

C-998	Dohnberg's	1 50
C-1000	Knapp's, original	1 75
C-1005	Knapp's, improved	2 00
C-1010	Hotz's	1 25
C-1015	Kuhnt's, No. 1.....	2 50
*C-1020	Kuhnt's, No. 2.....	2 50
*C-1025	Kuhnt's, No. 3.....	2 50
*C-1030	Kuhnt's, No. 4.....	2 50
C-1035	Prince's	1 50

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Eye Instruments



C-1095



C-1165



C-112.



C-1170



C-1155



C-1070



C-1150



C-1090



C-1125



C-1175



C-1145



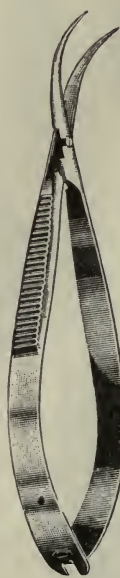
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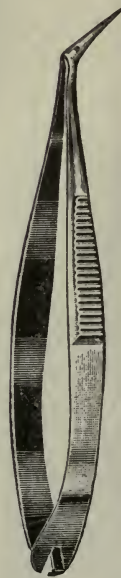
C-1050



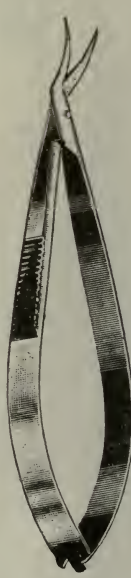
C-1075



C-1080



C-1085

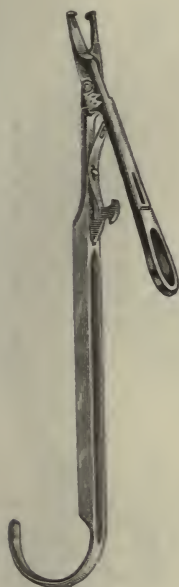


C-1100

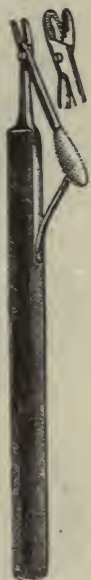
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Eye Instruments



C-1197



C-1205



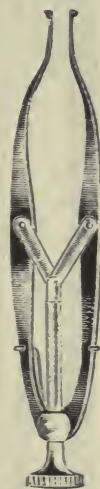
C-1185



C-1195



C-1200



C-1210

EYE SCISSORS—ENUCLEATING.

*C-1040	Flat Curved, 2 bunt points, 5 inch.....	\$1 00
*C-1045	Warlomont's, with haemostatic clamp.....	6 50

IRIS.

C-1050	Angular, 2 sharp points, $4\frac{1}{2}$ inch.....	1 10
C-1055	Angular, 2 blunt points.....	1 10
*C-1065	Edge Curved, 2 sharp points, $4\frac{1}{2}$ inch.....	1 10
C-1070	Flat Curved, 2 sharp points, $4\frac{1}{2}$ inch.....	1 10
C-1075	Flat Curved, lesser, 2 sharp points, Westcott handle....	3 25
C-1080	Flat Curved, full, sharp points, Westcott handle....	3 25
C-1085	McClure's	3 50
C-1090	Straight, 2 sharp points, $4\frac{1}{2}$ inch.....	1 00
C-1095	Straight, 1 probe point, $4\frac{1}{2}$ inch.....	1 10
C-1100	Theobald's	4 50
C-1105	Wecker's	3 75

LACHRYMAL.

C-1120	Arlt's, $4\frac{1}{2}$ inch.....	1 50
C-1125,	Knapp's, $4\frac{1}{2}$ inch.....	1 50

PTERYGIUM.

*C-1130	Chadwick's, curved to the right.....	2 50
*C-1132	Chadwick's, curved to the left.....	2 50
*C-1135	Chadwick's, curved on flat.....	1 75

STRABISMUS.

*C-1140	Angular, strong, $4\frac{1}{2}$ inch.....	1 25
C-1145	Angular, Maunoir's, 2 probe points.....	1 25
C-1150	Flat Curved, strong, $4\frac{1}{2}$ inch.....	1 00
C-1155	Flat Curved, 2 blunt points.....	1 00
*C-1160	Flat Curved, Bowman's, 2 probe points.....	1 25
C-1165	Straight, strong, $4\frac{1}{2}$ inch.....	1 00
C-1170	Straight, 2 blunt points, $4\frac{1}{2}$ inch.....	1 00
*C-1172	Straight, Bowman's, 2 probe points, $4\frac{1}{2}$ inch.....	1 25

TENOTOMY.

C-1175	Stevens', $4\frac{1}{2}$ inch.....	1 25
C-1110	Westcott's, spring	2 75

NEEDLE HOLDERS.

C-1185	Boynton's	3 50	C-1197	Richter's	net 4 00
*C-1190	German	2 75	C-1200	Stevens'	2 75
C-1195	Knapp's	3 00	C-1205	Stevenson's	3 00

TENDON TUCKER.

C-1210	Todd's	3 50
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CAPSULE PUNCH.

*C-1215	Stevenson's	9 00
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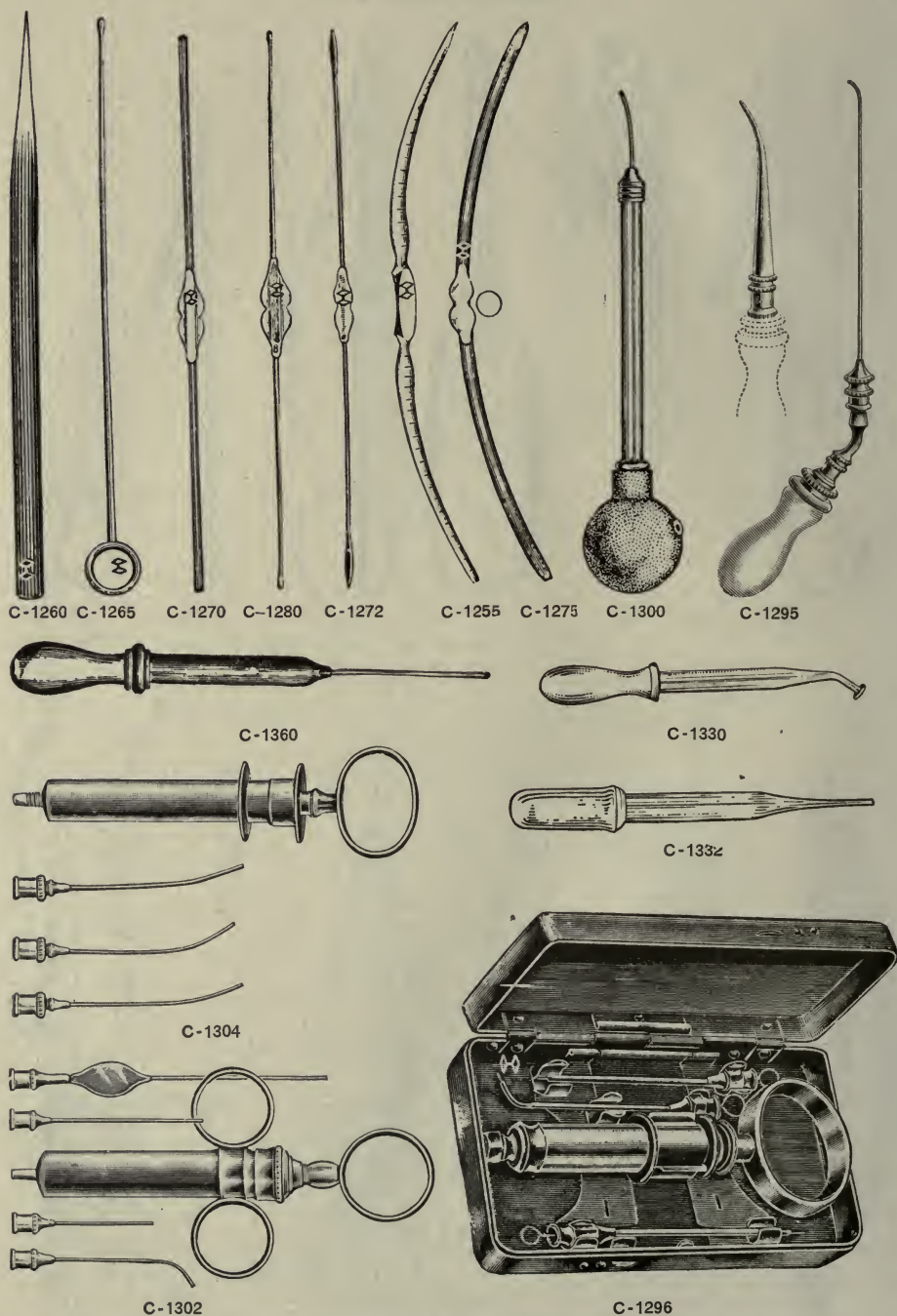


C-1110



C-1105

Eye Instruments



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Eye Instruments .



C-1310



C-1325



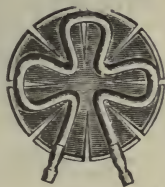
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C-1350



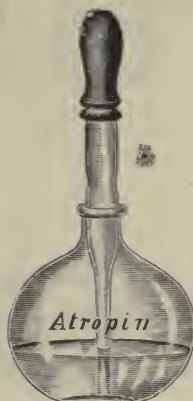
C-1345



C-1325



C-1305



C-1320



C-1315



C-1225



C-1240

CANULAE AND STYLES.

C-1220	Bowman's, silver	\$0 40
C-1225	Bowman's, silver	40
C-1230	Fox's, silver	40
C-1235	Prince's, right and left, silver.....	50
C-1240	Taylor's, silver	40
C-1245	Style, silver	30

DILATORS.

*C-1250	Peck's, silver. 2 sizes, each.....	1 25
C-1255	Weber's, graduated, silver, each.....	1 25
C-1260	Wilder's, conical, 3 sizes, plated, each.....	35

PROBES.

C-1265	Anel's, silver	25
C-1270	Bowman's, 8 sizes, per set, plated, \$1.00; silver....	2 00
C-1272	Hotz's, 6 sizes, plated, each	50
C-1275	Theobald's, 16 sizes, per set, plated, \$3.00; silver....	7 00
C-1280	Williams', 8 sizes, per set, plated, \$1.75; silver....	2 50

SYRINGES.

*C-1285	Agnew's, lachrymal, plated, \$3.00; silver.....	6 50
C-1290	Anel's, lachrymal, plated, \$3.00; silver.....	7 50
C-1295	Colburn's, lachrymal, \$.90; with middle ear tip....	1 75
C-1296	Criterion	4 00
C-1300	Dunn's, lachrymal, platinum point, No. 2, \$1.20. No. 4	1 50
C-1302	Risley's, with four tips.....	5 00
C-1304	Will's Eye Hospital, 3 tips	4 50

SUNDRIES.

C-1305	Bath, plain, glass	10
C-1310	Bath, Schweigger's, glass	75
C-1315	Bottle, drop, ground stopper, square, 1 oz., .30; 2 oz.	40
C-1320	Bottle, Storchsein's, ea., .60; per set of 4 with tripod	3 00
C-1325	Coil, Leiter's, lead, for hot and cold applications....	1 00
C-1330	Dropper, glass, bulb end, per doz.....	50
C-1332	Dropper, glass, curved, plain, per dozen.....	35
*C-1335	Dropper, Dunn's, celluloid	15
C-1340	Dropper, Undine, with stopper	35
C-1345	Irrigator, Gibson's, for anterior chamber.....	1 00
C-1350	Irrigator, Todd's, for anterior chamber.....	1 25
C-1355	Irrigator, Woodruff's, for anterior chamber.....	75
C-1360	Pipette, Prince's, silver tip. .55; platinum tip.....	1 00
*C-1365	Shade, eye, single.....	10
*C-1370	Shade, eye, double.....	20
*C-1375	Mask, Ring's, for cataract	35

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C-1235



C-1230

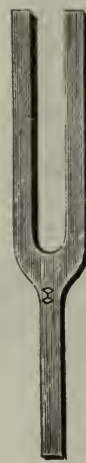
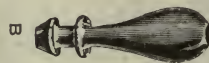
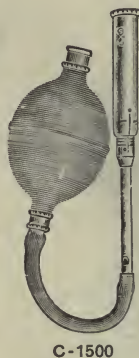
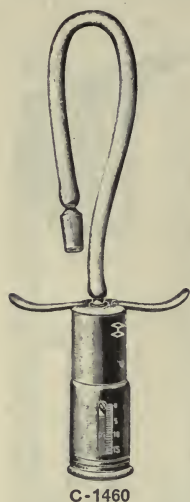


C-1220



C-1245

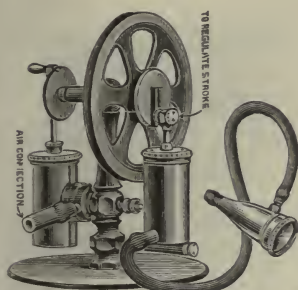
Ear Instruments



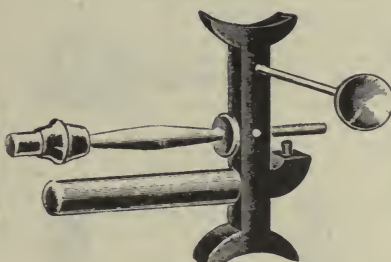
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Ear Instruments



C-1470



C-1382



C-1380

ACCOMETERS.

C-1380	Bartlett's	\$0 75
C-1382	Politzer's	2 75

AIR BAGS.

*C-1385	Lenox-Brown's	1 50
C-1390	Lucae's, balloon	1 50
C-1395	Politzer's, with valve, 4 oz., \$1.00; 8 oz., \$1.45; 12 oz.....	1 75
C-1400	Politzer's, without valve, 4 oz., .90; 8 oz., \$1.25; 12 oz.....	1 60
C-1405	Tips, A connection, .10; B, hard rubber, .15; C, hard rubber, .15; D, glass...	15

AUDIOMETER.

*C-1407	McCallie's, complete with binaural ear piece, tubing and mahogany case	50 00
*C-1409	Pilling-McCallie's, latest model; complete with binaural ear piece and mahogany case.....	75 00

Send for special circular giving complete descriptions and uses.

BOUGIES.

C-1410	Urbanschitsch's, celluloid, 6 sizes, set.....	2 25
*C-1415	Whalebone, double end, 5 sizes, set.....	1 00

CATHETERS.

*C-1420	Hard Rubber, 6 sizes, each.....	25
C-1425	Hartman's, 6 sizes, plated, each, .75; silver, ea	1 50
*C-1430	Herzfeld's, spiral end	1 50
C-1435	Plain, 6 sizes, plated, each, .50; silver, each..	1 50

DIAGNOSTIC TUBE.

C-1440	Toynbee's, 3 ft. long, hard rubber ear pieces..	45
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INHALERS.

*C-1450	Buttle's, hard rubber	75
*C-1452	Pomeroy's, glass nozzle	50
*C-1455	Pyncheon's, hard rubber	75

MASSEURS.

C-1460	Delstanche's	3 00
*C-1465	Delstanche's, with 3 rings.....	3 50
C-1470	Wigmore's, for compressed air.....	7 00

TUNING FORKS.

C-1475	Plain, 4½ inch, A or C.....	50
*C-1480	Fine, 6½ inch, C2, 512 vibrations.....	1 50
*C-1485	Dench's, large, 26 to 64 vibrations.....	8 00
C-1490	Hartman's, C, 128 vibrations.....	3 00
C-1491	Hartman's, C1, 256 vibrations.....	2 25
C-1492	Hartman's, C2, 512 vibrations.....	1 50
C-1943	Hartman's, C3, 1024 vibrations.....	1 00
C-1494	Hartman's, C4, 2048 vibrations.....	6 00
*C-1494a	Hartman's, set of 5 in case.....	14 50
*C-1495	Lucae's, 9½ inch, with clamps.....	5 50

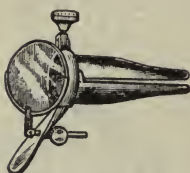
WHISTLES.

C-1500	Dench's	4 00
C-1505	Galton's	3 00

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Ear Instruments



C-1532



C-1520



C-1534



C-1565



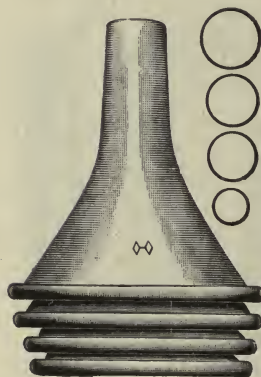
C-1540



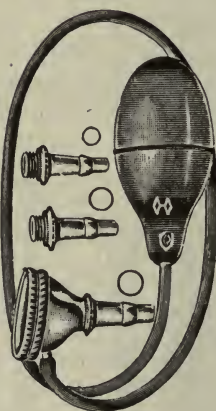
C-1541



C-1560



C-1535



C-1525



C-1545



C-1530

OTOSCOPES.

C-1515	Andrews', with bulb	\$1 50
C-1520	Burnett's, with bulb	1 50
C-1525	Pyncheon's, with bulb	2 50
C-1530	Siegel's, with bulb, hard rubber, \$2.00; metal.....	2 50
C-1532	Simrock's, with magnifier	2 75

SPECULUMS,

C-1534	Bonafont's, bivalve	1 50
C-1535	Boucheron's, set of 4, plated or aluminum.....	1 00
*C-1537	Boucheron's, extra large, for operating, plated.....	1 50
C-1540	Gruber's, plated, \$1.00; silver.....	2 50
C-1541	Gruber's, hard rubber, set of four.....	50
C-1545	Kramer's, bivalve, 4 sizes, cast.....	75
C-1560	Toynbee's, hard rubber, .50; plated, \$1.00; silver.....	2 50
C-1565	Wild's, hard rubber, .50; plated, .75; silver.....	2 00

Note.—Metal nickel plated cases will be furnished with above sets of speculums at an addition of 25 cents.

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Ear Instruments

C-1566. THE PNEUMATIC AURISCOPE.

Model of Electro Surg. Inst. Co.

The changing of a Siegel's Pneumatic Ootoscope into an electrically lighted and magnifying pneumatic otoscope, places in the hands of the aurist and general practitioner a most useful and practical instrument in the field of otology. It can be used in diagnostic work and for aural massage. It gives a brilliant magnified view of the drum, the mobility of the malleus may be determined, also the degree of relaxation in the membrane tympani; cicatricial pouches can be distinguished from perforations, and various adhesions accurately diagnosed.

The lamp is of the condenser pattern, which throws a concentrated beam of light directly forward, is placed at right angles to the line of sight and gives perfect definition. The lens is removable for operative and therapeutic work.

The lamp may be lighted with battery,



C-1566

socket current controller, wall plate or transformer.

Price, complete with 2 specula and bulb, net..... \$8 00
Additional specula, each, net 75

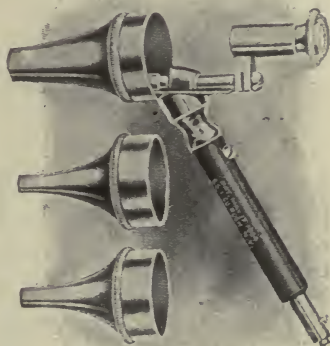
C-1567. THE ELECTRO SURG. INST. CO.'S AURISCOPE, STYLE A.

The instrument is supplied with a magnifying lens so arranged that it can be turned out of the line of sight, thus giving the operator a direct view should it be preferred. This lens has an attachment by which it can be quickly focused.

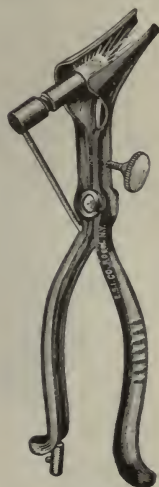
No reflector is needed as the lamp itself has a condensing lens blown on the end of the bulb, which while not increasing its size, throws all the light directly forward. The use of this condensing lamp enables us to save the room ordinarily occupied by a reflector and to utilize it as operating space at the same time giving a much more brilliant light.

The largest of the three specula furnished with this auriscope has an oval tip, thus fitting it for nasal as well as aural work. The handle is placed at an oblique angle to allow greater freedom of movement.

Price, complete, with three specula, net..... \$6 00
Price, additional specula, each, net 75



C-1567



C-1568

C-1568. THE ELECTRO SURG. INST. CO.'S EAR AND NASAL SPECULUM.

This speculum is intended for ear and nasal work, is made of wrought metal highly polished and nickel plated. It is light, strong and easily rendered aseptic.

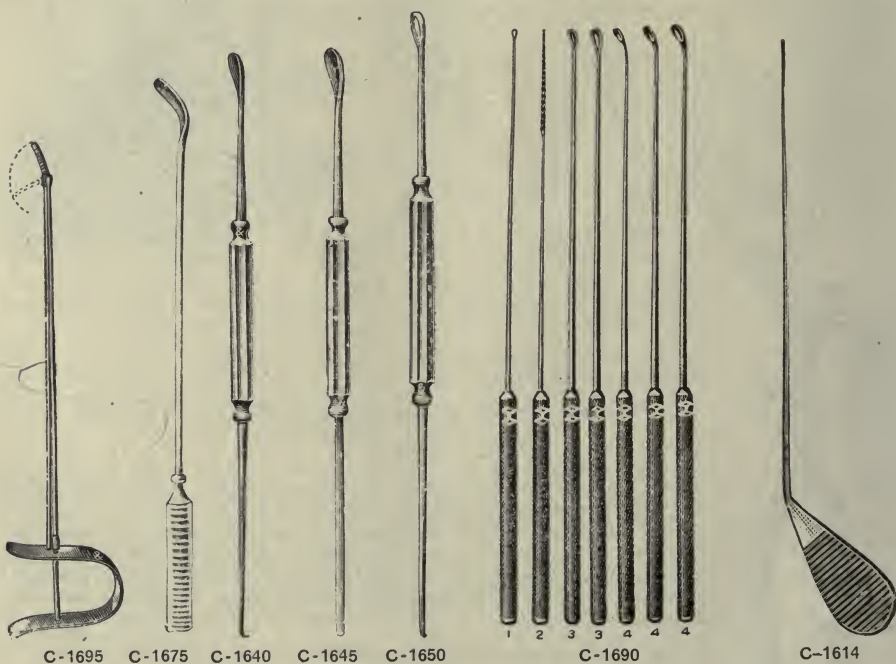
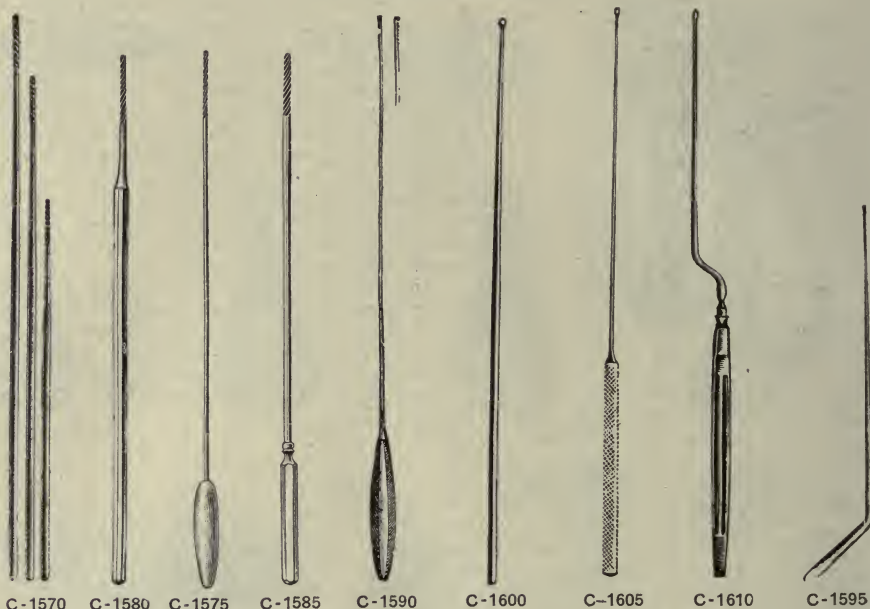
The lamp is located well back of the left blade and does not interfere in any way with the free use of the applicators, probes, etc. The lamp has a condenser or bulls-eye blown on the end of the bulb, throwing the light well forward and illuminating the cavity perfectly.

Price, net \$4 00

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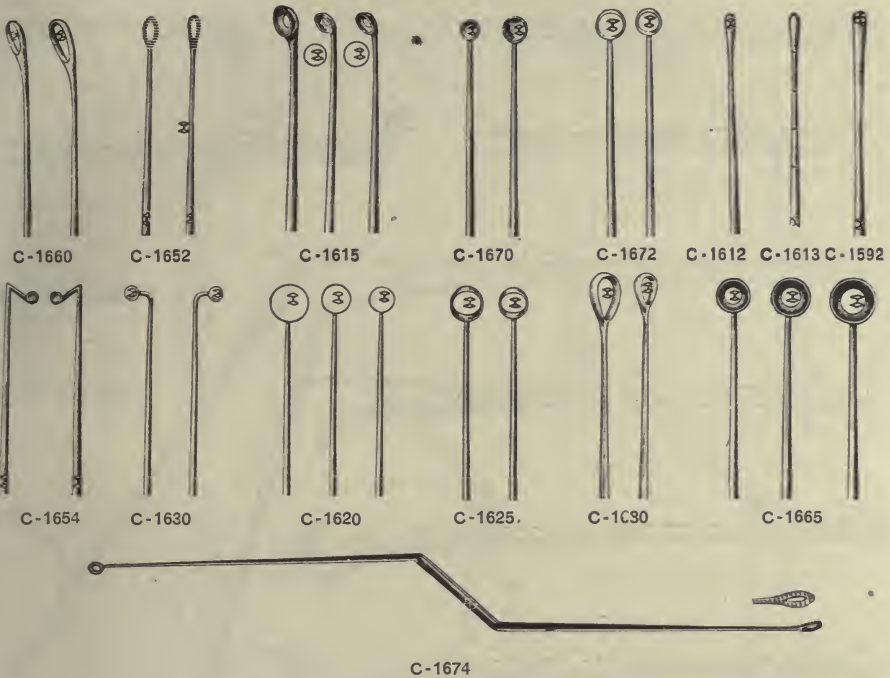
Ear Instruments



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Ear Instruments



APPLICATORS.

C-1570	Andrews', aluminum, 3 sizes, each	\$0 15
C-1575	Brown's, steel, aluminum handle, each	25
C-1580	Hotz's	20
C-1585	Ivan's, steel	25
C-1590	Roosa's, steel	30

PACKER.

C-1592	Trautman's, for cotton	60
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PROBES.

C-1595	Beckman's, silver	35
C-1600	Buck's, fine, silver	50
C-1605	Hotz's, fine, silver	50
C-1610	Plain, bayonet shaped, plated, .50; silver	75
C-1612	Plain, straight	50
C-1613	Straight, graduated	60
C-1614	Weaver's, very delicate, silver	75

CURETTES.

C-1615	Bishop's, sharp, 3 sizes, each	75
C-1620	Buck's, dull, 3 sizes, each	65
C-1625	Buck's, sharp, 3 sizes, each	65
C-1630	Dench's, angled, right and left, each	75
*C-1635	Fenestrated, sharp, 2 sizes, each	75
C-1640	Gross', with hook	30
C-1645	Gross', with spud	40
C-1650	Gross', fenestrated, with hook	40
C-1652	Hartman's, serrated, 2 sizes, each	75
C-1654	Kretschman's, incus, right and left, each	75
*C-1655	Oval, serrated	1 00
C-1660	Oval, sharp, 2 sizes	75
C-1665	Politzer's, sharp, 3 sizes, each	75
C-1670	Round, sharp, spoon shape, 2 sizes, each	75
C-1672	Round, sharp, 2 sizes, each	75
C-1674	Sexton's, double	1 50
C-1675	Speir's, spiral	75
C-1680	Straight, sharp, fenestrated	85
C-1690	Hotz's, set of 5 curettes, 1 applicator and 1 probe	5 00
C-1695	Quier's, foreign body instrument	1 00

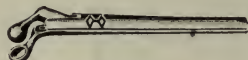
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Ear Instruments



C-1729



C-1730



C-1728



C-1726



C-1727



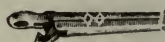
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C-1724



C-1721



C-1725



C-1722



C-1723



C-1745



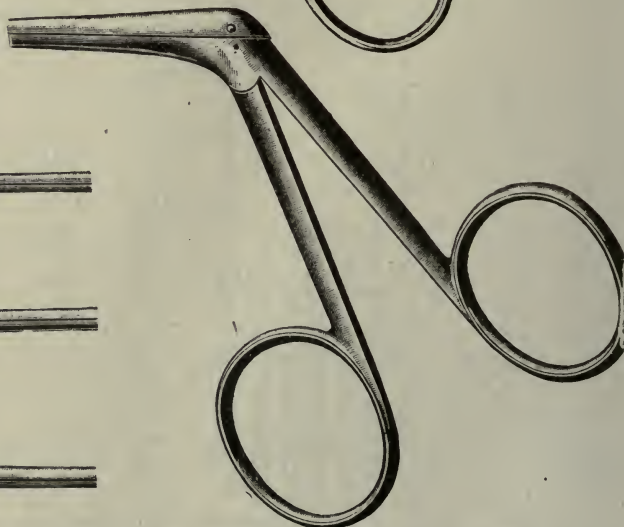
C-1746



C-1748



C-1747

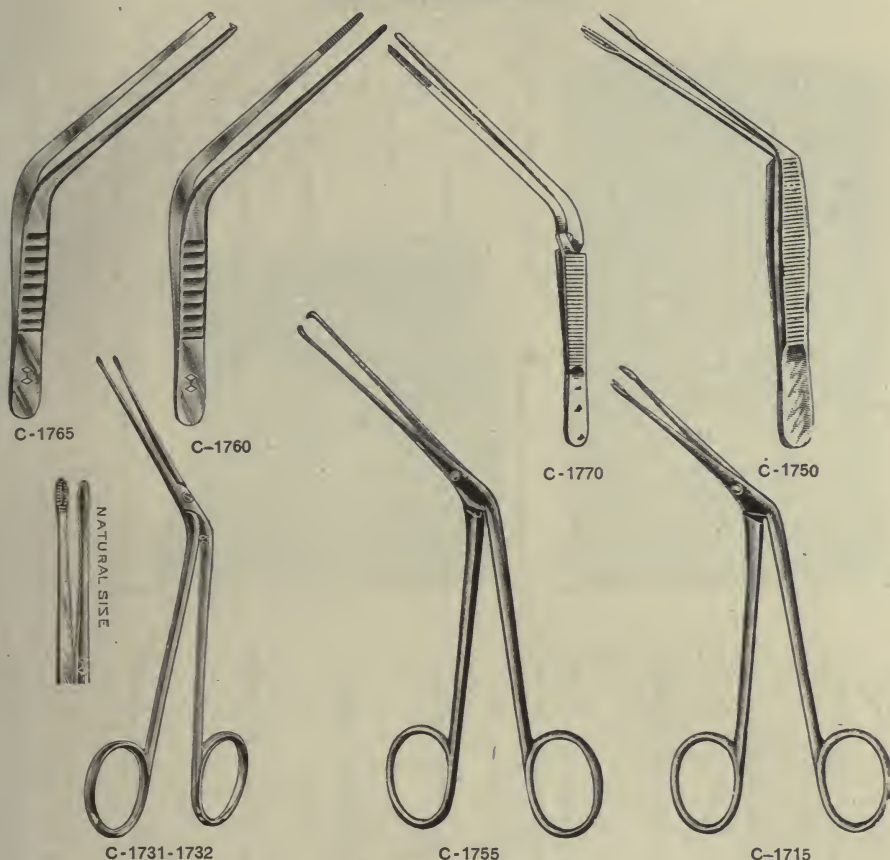


All forceps represented on this page have the same style of handle. The jaws are shown full size.

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Ear Instruments



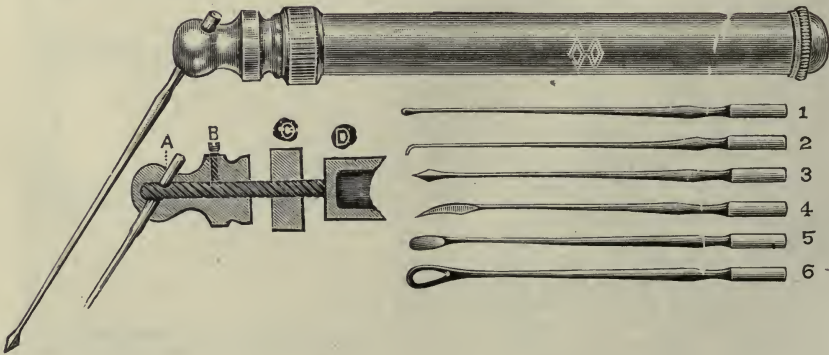
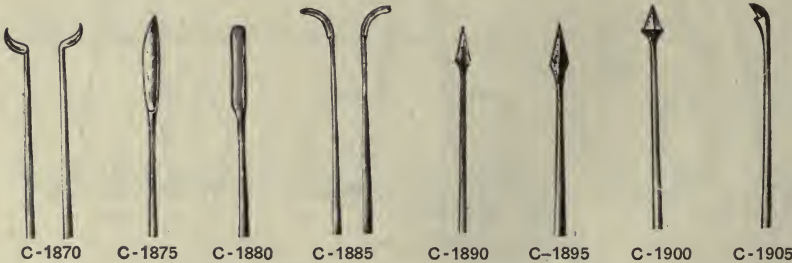
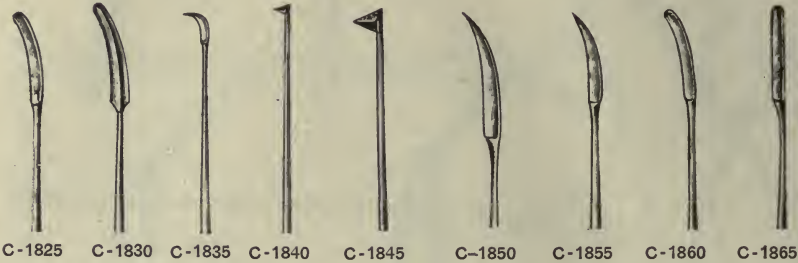
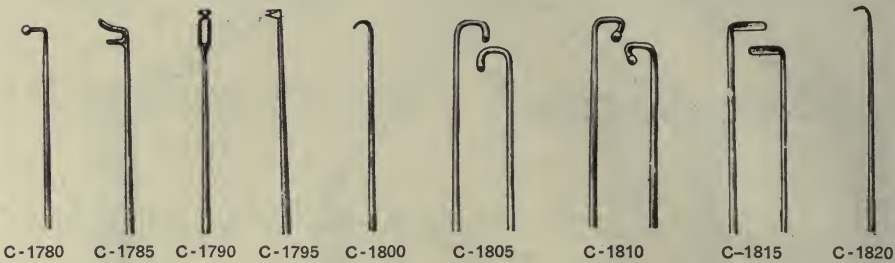
EAR FORCEPS.

*C-1710	Guyes'	\$1 50
C-1715	Hartman's, plain	1 50
C-1720	Hartman's, alligator jaw, delicate, serrated.....	3 50
C-1721	Hartman's, alligator jaw, delicate, mouse tooth.....	3 25
C-1722	Hartman's, alligator jaw, round, cutting, straight.....	6 50
C-1723	Hartman's, alligator jaw, oval, cutting, straight.....	6 50
C-1724	Hartman's, alligator jaw, oval, cutting, right.....	6 50
C-1725	Hartman's, alligator jaw, oval, cutting, left.....	6 50
C-1726	Hartman-Herzfeld's, alligator jaw, spoon, straight.....	4 25
C-1727	Hartman-Herzfeld's, alligator jaw, spoon, curved up.....	5 50
C-1728	Hartman-Herzfeld's, alligator jaw, spoon, curved down.....	5 50
C-1729	Hartman-Herzfeld's, alligator jaw, spoon, curved to right.....	5 50
C-1730	Hartman-Herzfeld's, alligator jaw, spoon, curved to left.....	5 50
C-1731	Haslam's, delicate, bent on edge.....	1 25
C-1732	Haslam's, delicate, bent on flat.....	1 35
*C-1735	Lucae's, bayonet shape	75
*C-1740	McKay's, cross action	3 00
C-1745	Noyes', alligator jaw, serrated, large.....	1 75
C-1746	Noyes', alligator jaw, serrated, small.....	1 75
C-1748	Noyes', alligator jaw, serrated with mouse tooth.....	2 50
C-1747	Noyes', alligator jaw, cutting edge.....	4 00
C-1750	Politzer's	1 00
C-1755	Pomeroy's	1 75
C-1760	Wild's, serrated points	75
C-1765	Wild's, mouse tooth points	75
C-1770	Wild's, cross action, serrated points.....	1 10
*C-1775	Wild's, cross action, mouse tooth points.....	1 10

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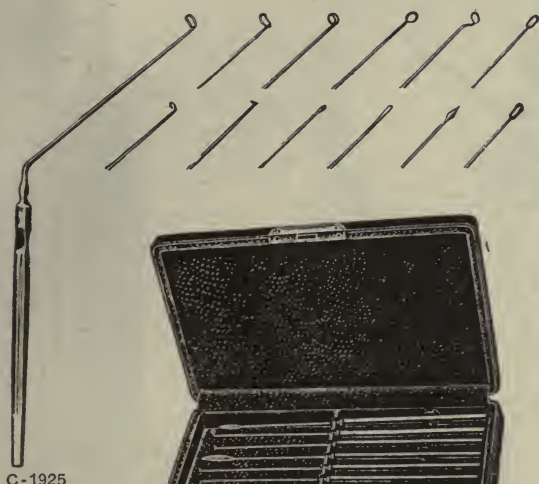
C-1940

Fig. A.

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Ear Instruments



C-1925



C-1930



C-1920

HOOKS.

C-1780	Allport's, incus	\$ 90
C-1785	Bishop's, ossicle vibrator....	90
C-1790	Deville's, double screw.....	90
C-1795	Hartman's, double	90
C-1800	Hotz's, sharp	90
C-1805	Incus, right and left.....each	90
C-1810	Incus, probe point, right and left	90
C-1815	Lever, angular, right and left	90
C-1820	Tenaculum	90

KNIVES.

C-1825	Bistoury, curved, blunt	1 10
C-1830	Bistoury, curved, double edge, blunt	1 10
C-1835	Bistoury, full curved, delicate	1 10
C-1840	Buck's, furuncle	1 00
C-1845	Buck's, furuncle, large.....	1 00
C-1850	Buck's, curved, sharp	1 10
C-1855	Buck's, curved, sharp, deli- cate	1 10
C-1860	Buck's, curved, blunt	75
C-1865	Buck's, myringotome	1 00
C-1870	Hartman's, right and left, ea	1 10
C-1875	Sexton's, sharp	1 10
C-1880	Sexton's, blunt	1 10
C-1885	Schwartz's tenotomes, right and left	1 10

Fig. A shows the style of metal handle used with our ear instruments.

PERFORATORS.

C-1890	Lucae's, bayonet shape.....	1 00
C-1895	Politzer's, angular	1 00
C-1900	Troeltsch's, angular	1 00
C-1905	Perforator, a n g u l a r , with stop	1 00

SNARE CANULAE.

*C-1910	German silver, to fit univer- sal handle	\$0 75
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EAR SETS.

*C-1915	Buck's, of 2 sharp curettes, 1 blunt curette, 1 perforator, 1 probe, 1 myringotome, 2 cotton car- riers, in leather covered case.....	6 00
C-1920	Burkhardt-Merian's, of 1 uni- versal handle, 2 tympanum perfor- ators, 1 fine double hook, 2 sickle- shaped knives, 1 scoop, sharp; 1 hook, fine; 1 knife, probe-pointed; 1 curette, sharp; 1 curette, toothed; 1 probe, measuring; 1 probe, but- toned	9 00
C-1925	Delstanche's, set of 12 in- struments, in wood case.....	16 50
C-1930	Dench's, set for middle ear, of 1 curette, straight; 1 double- edged knife, curved on flat; 1 knife, straight, blunt; 2 knives, straight, sharp; 2 knives, angular; 2 incus hooks, right and left; 2 curettes, angular, right and left; instruments with solid handles and flexible shanks, in leather-covered case....	11 00
*C-1935	Hartmann's Small Set, of 1 universal handle; 1 knife, curved, sharp pointed; 1 knife, curved, probe; 1 sharp hook; 1 sharp cure- tte; 1 tympanum perforator; 1 myringotome; 1 sharp scoop; in leather covered case	6 00
C-1940	Haslam's, pocket emergency set of 1 dull curette, 1 sharp cu- rette, 1 curved sharp bistoury, 1 perforator, 1 blunt hook and 1 sil- ver probe, with hollow universal handle. The instruments are car- ried in handle when not in use...	5 00

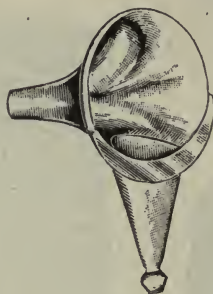
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Ear Instruments.



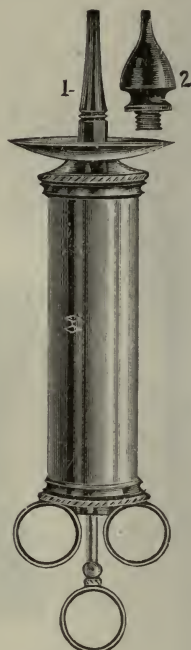
C-2047



C-1985



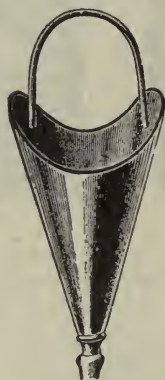
C-2005



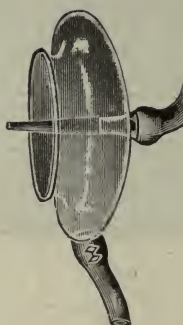
C-2035



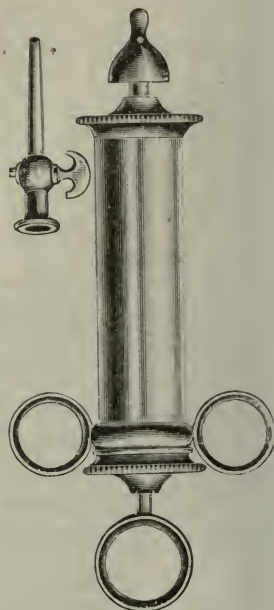
C-2040



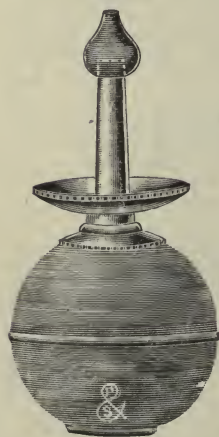
C-1990



C-1998



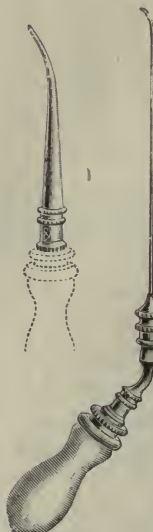
C-2030



C-2020



C-2025

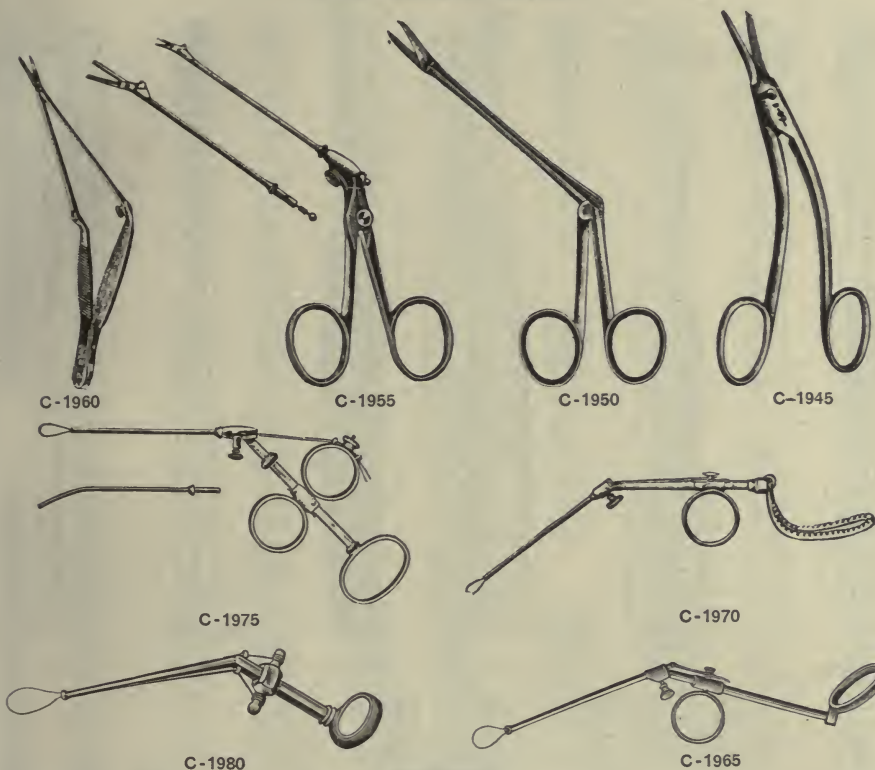


C-2055

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Ear Instruments



SCISSORS.		
C-1945	Gruber's	\$1 50
C-1950	Noyes'	5 00
C-1955	Politzer's	7 50
C-1960	Simrock's	4 50

SNARES.		
C-1965	Blake's, original	1 75
C-1970	Blake's, improved	2 00
C-1975	Pyncheon's	2 00
C-1980	Wild's	1 75

SPOUTS.		
C-1985	Beck's, ear drain	1 50
C-1990	Hosmer's, improved	40
*C-1995	Hosmer's, with spring	1 20

DOUCHES.		
C-1998	Fowler's, glass	1 00
*C-2000	Hewitt's, for middle ear	2 00
C-2005	Lucae's	75

INSUFFLATORS.		
*C-2010	De Vilbiss'	1 25
*C-2015	Spencer's	1 75

SYRINGES, EXTERNAL.		
C-2020	Allport's	1 50
C-2025	Hard Rubber, 1/2 oz., .85; 1 oz., \$1.00; 2 oz.,	1 25
C-2030	Kramer's, leather packing, 2 oz., \$1.75; 4 oz.,	2 75
*C-2032	Matchless, all metal, 1 oz., \$2.50; 2 oz., \$3.00; 4 oz., \$4.00; 6 oz.,	5 00
C-2035	Pomeroy's, leather packing, 2 oz.,	1 75
C-2040	Ulcer and Ear, soft rubber	25
C-2045	Ulcer and Ear, soft rubber, 3 oz.,	50
C-2047	Ulcer and Ear, soft rubber, with shield.	35

SYRINGES, MIDDLE EAR.		
*C-2050	Colburn's, with middle ear tip only.	1 00
C-2055	Colburn's, with middle ear and lachrymal tip.	1 75

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Mastoid Instruments



C-2065



C-2137



C-2090



C-2135



C-2120



C-2070



C-2072



C-2122



C-2122



C-2122



C-2122



C-2122

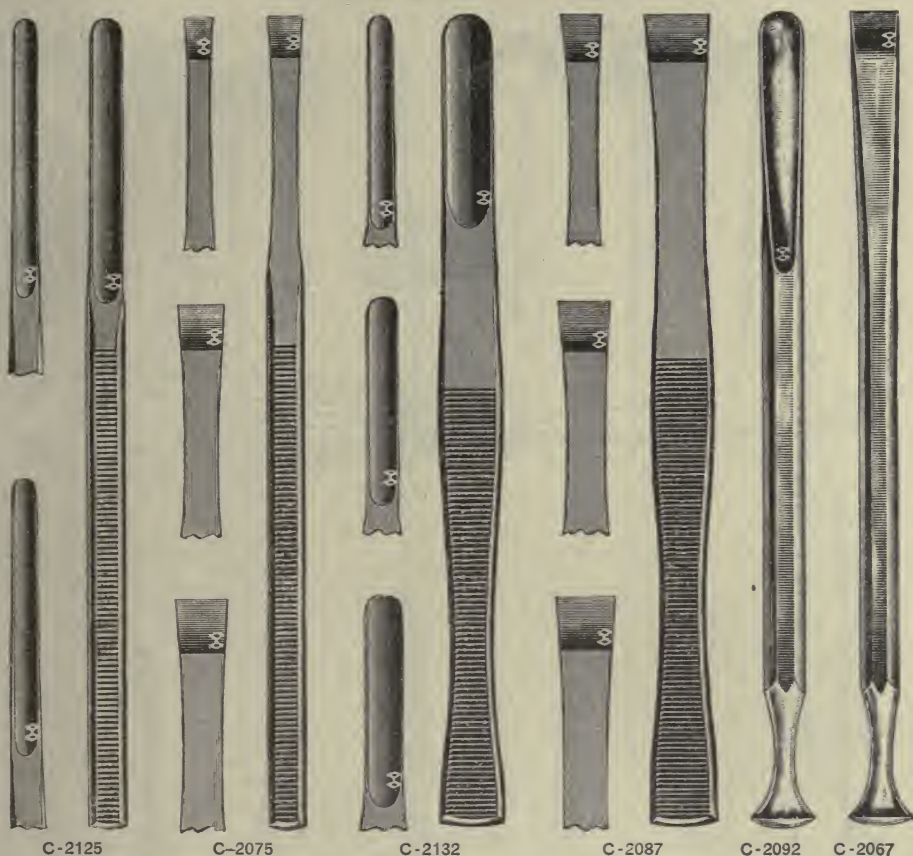


C-2068



C-2094

Mastoid Instruments



Burrs, Chisels and Gouges

BURRS.

C-2060	Allport's, eustachian	\$2 25
C-2065	Ballenger's, mastoid	2 00

CHISELS.

C-2067	Andrew's, 2 sizes	each 1 50
C-2068	Bishop's, 3 sizes	each 1 00
C-2070	Hajek's, 4 sizes, 3, 6, 9 and 12 mm.....	each 2 00
C-2072	Haslam's, 4 sizes, illustration of gouges give full width of chisels.....	each 1 00
C-2075	Schwartz's, 4 sizes, illustration full size.....	each 60
*C-2085	Stacke's, curved, 3 sizes	each 75
C-2087	Trautman's, 4 sizes, illustration full size.....	each 60
C-2090	Whiting's, 6 sizes	each 2 25

GOUGES.

C-2092	Andrew's, 3 sizes	each 1 75
C-2094	Bishop's, 3 sizes	each 1 00
C-2120	Hajek's, 4 sizes, 3, 6, 9 and 12 mm.....	each 2 25
C-2122	Haslam's, 4 sizes, illustration full size	each 1 25
C-2125	Schwartz's, 4 sizes, illustration full size	each 75
*C-2130	Stacke's, curved, 3 sizes	each 1 00
C-2132	Trautman's, 4 sizes, illustration full size.....	each 75
C-2135	Whiting's, 6 sizes	each 2 25

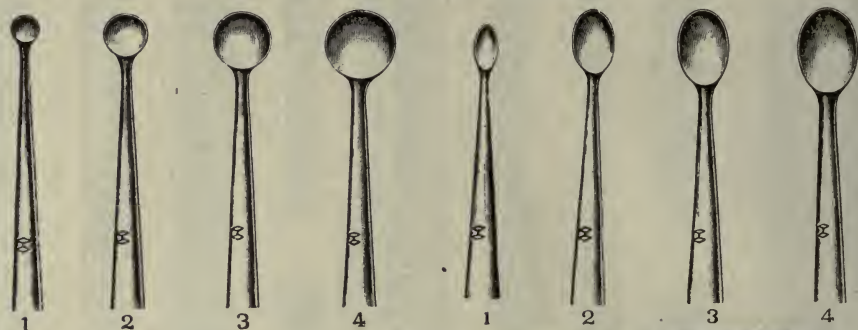
DRILL.

C-2137	Lermoyez's, mastoid	3 50
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QUALITY GUARANTEED.—Specify section letter and number in ordering.

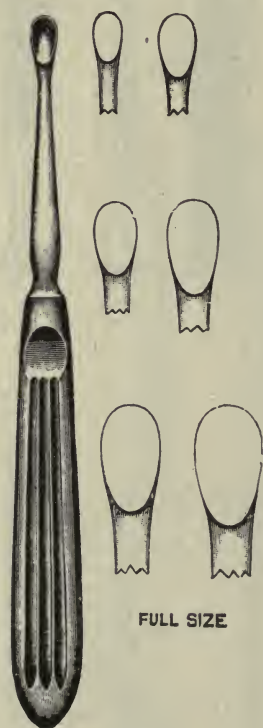
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Mastoid Instruments



C-2098

C-2097



C-2115



C-2096



C-2096



C-2102



C-2103

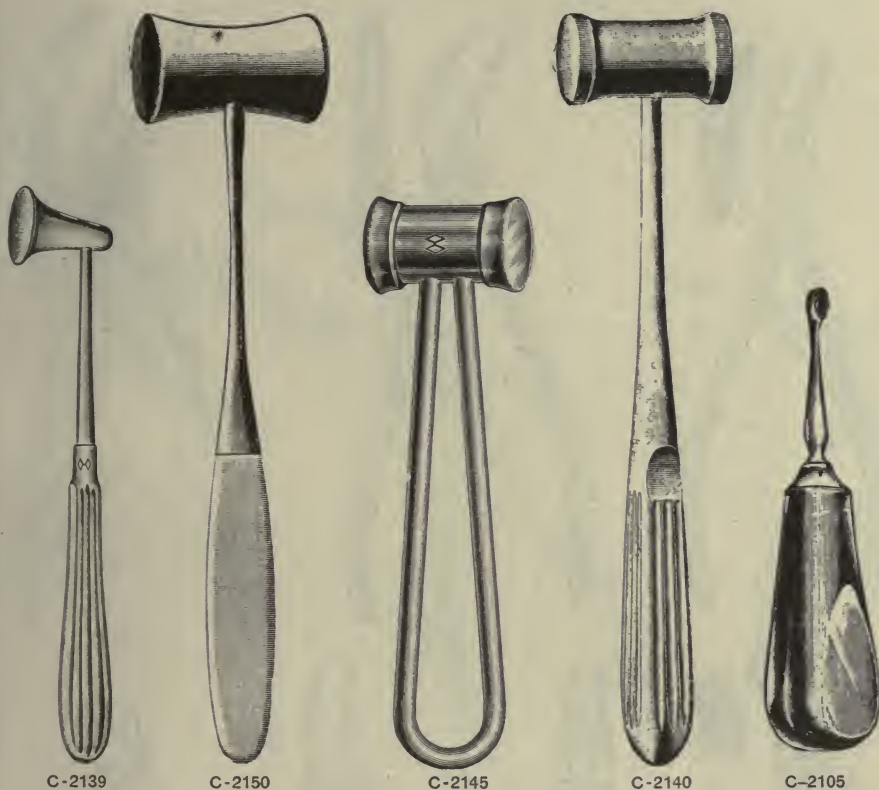


C-2104

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Mastoid Instruments

CURETTES AND MALLETS.
CURETTES.

C-2096	Earth's, double end, 2 sizes	each	\$1 75
C-2097	Buck's, oval, 4 sizes	each	1 50
C-2098	Buck's, round, 4 sizes	each	1 50
*C-2095	Brun's, round, 3 sizes (see page 118).....	each	1 50
C-2102	Double End, mastoid	each	1 15
C-2103	Ferguson's, with pereosteotome		1 50
*C-2100	Luer's, round, fenestrated, 3 sizes (see page 118).....	each	1 50
C-2104	Marshall's, with osteotrite		1 25
C-2105	McKernon's, fenestrated, 4 sizes	each	2 25
*C-2110	Politzer's, round, fenestrated		1 50
C-2115	Whiting's, 6 sizes	each	1 75

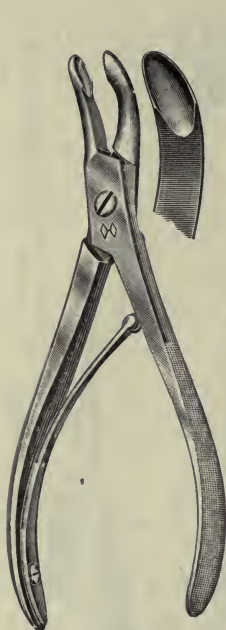
MALLETS.

*C-2138	Fibre, with metal handle, boilable	2 50
C-2139	Forwood's, bronze	2 50
C-2140	Hajek's	2 50
*C-2142	Lucae's, lead filled	1 50
C-2145	Morgan's, bronze	1 50
C-2150	Plain, lead filled	1 50
*C-2155	Rawhide, 2 sizes	each 75

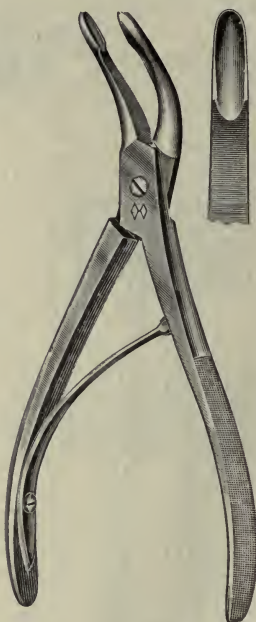
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A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

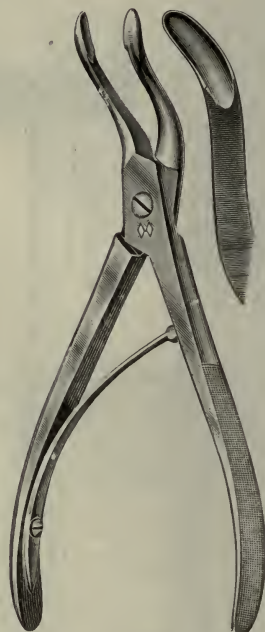
Mastoid Instruments



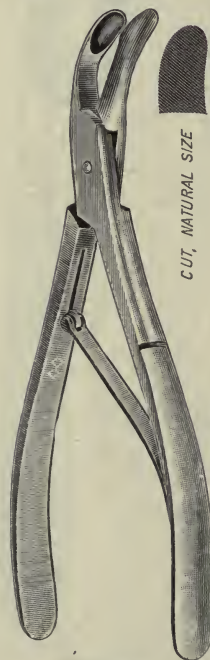
C-2180



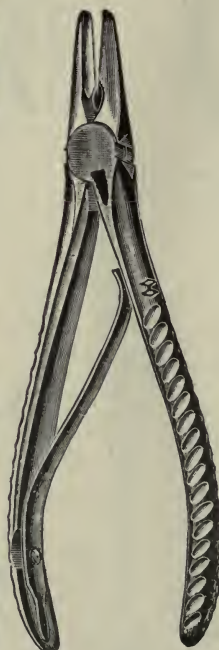
C-2205



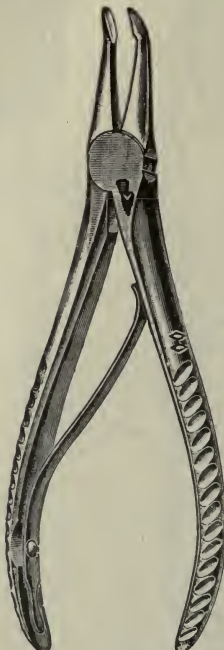
C-2195



C-2165



C-2214



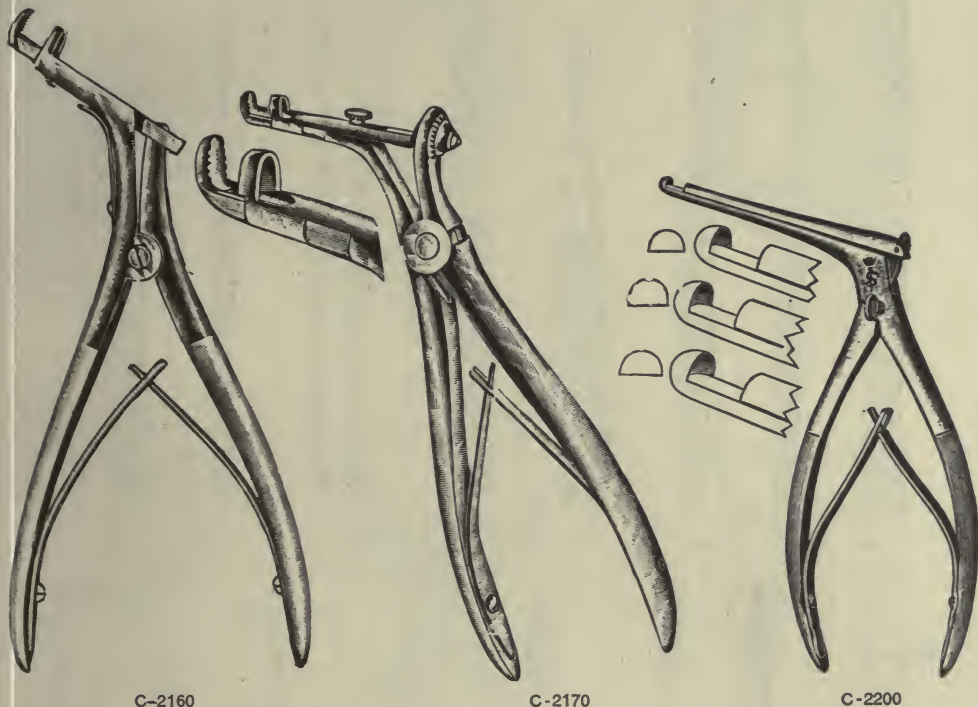
C-2212



C-2210

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Mastoid Instruments



C-2160

C-2170

C-2200

MASTOID BONE GOUGING FORCEPS.

C-2160	Allport's	\$10 00
C-2165	Banes'	3 50
C-2170	Cettell's	10 00
*C-2175	DeVilbiss'	5 00
C-2180	Hartmann's, curved	3 00
*C-2185	Hartmann's, full curved	3 00
C-2195	Jansen's	4 50
C-2200	Kerrison's, 3 sizes	each 8 50
C-2205	Lucae's	4 50
C-2210	Whiting's	3 50
C-2212	Zaufal's, curved	4 00
C-2214	Zaufal's, straight	3 75

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Mastoid Instruments



C-2235



C-2225



C-2230



C-2240



C-2245



C-2250



C-2215



C-2220



C-2260



C-2270



C-2275



C-2280



C-2252



C-2305



C-2255

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Mastoid Instruments



C-2320-2325



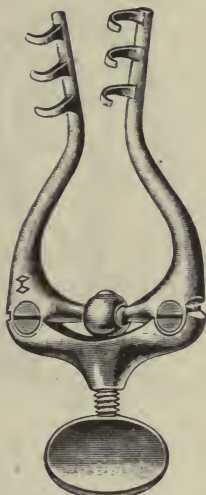
C-2330



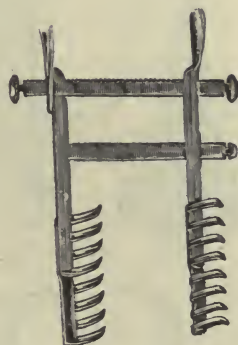
C-2340



C-2285



C-2310



C-2295

KNIVES, RASPATORIES, RETRACTORS, ETC.

C-2215	Elevator, Stacke's	\$1 25
C-2220	Guard, Stacke's	1 00
C-2225	Knife, Allport's, convex edge	1 25
C-2230	Knife, Allport's, double edge	1 25
C-2235	Knife, Buck's	1 25
C-2240	Knife, Burnett's	1 50
C-2245	Knife, Politzer's	1 50
C-2250	Knife, Stacke's, right and left	each 1 50
C-2252	Pereosteotome, Allport's	1 50
C-2255	Pereosteotome, Andrews'	1 25
C-2260	Pereosteotome, Ballenger's	1 50
*C-2265	Raspatory, Buck's	1 75
C-2270	Raspatory, Hartmann's, straight	1 25
C-2275	Raspatory, Hartmann's, convex	1 25
C-2280	Raspatory, Trautmann's	1 50
C-2285	Retractor, Allport's, steel, self retaining	3 50
*C-2290	Retractor, Andrew's, steel, self retaining	5 00
C-2295	Retractor, automatic, steel, self retaining	3 50
C-2305	Retractor, Buck's, hooked	1 75
C-2310	Retractor, Jansen's, new model, very powerful, self retaining	4 00
*C-2315	Retractor, Malherbe's, self retaining	4 00
C-2320	Drainage Tube, Gruening's, curved, silver	75
C-2325	Drainage Tube, Knapp's, straight, silver	60
C-2330	Cooling Coil, Leiter's, metal, for hot or cold water	1 50
*C-2335	Ice Bag, Bishop's, soft rubber	75
C-2340	Ice Bag, Sprague's, soft rubber	1 25

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Hearing Instruments



C-2440



C-2445-2450



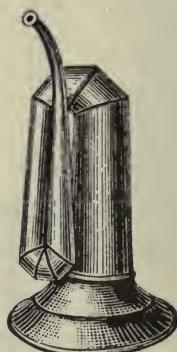
C-2470



C-2435



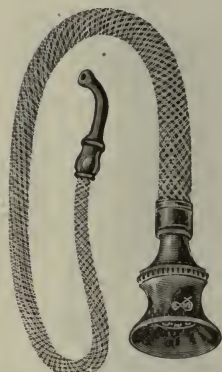
C-2395



C-2390



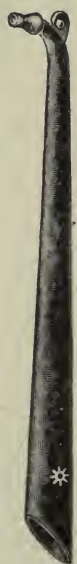
C-2460



C-2472



C-2405



C-2418



C-2410



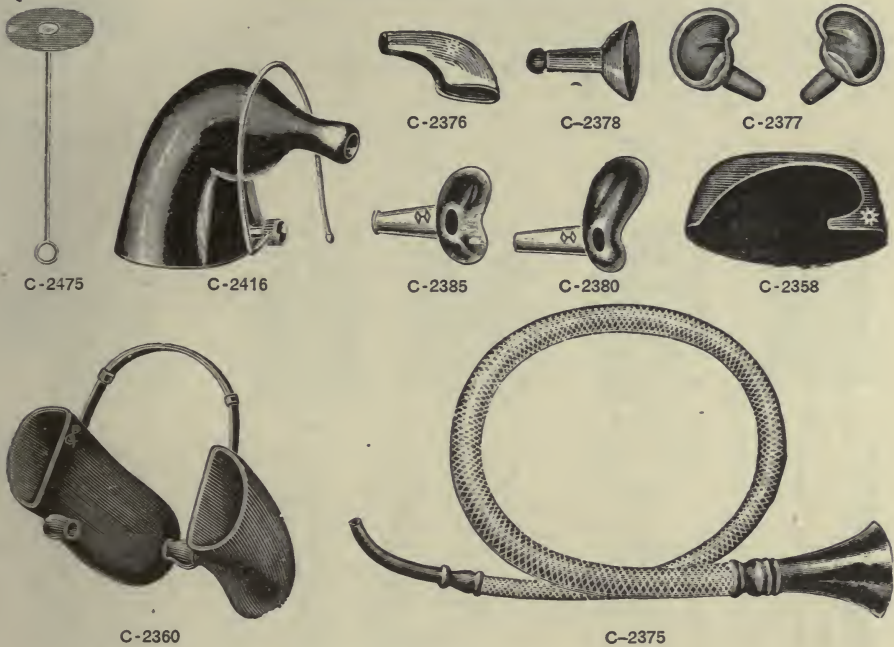
C-2415



C-2400

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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Hearing Instruments



HEARING INSTRUMENTS.

*C-2345	Apparitor Auris, silver, enameled flesh color.....	\$3 00
*C-2350	Audiphone, hard rubber, fan shape.....	5 00
*C-2355	Audiphone, hard rubber, fan shape, folding.....	6 75
C-2358	Auricles, Clayton's, celluloid, right and left, fit over ear, very light....each	1 50
C-2360	Auricles, leather covered	3 00
C-2365	Auricles, silk covered	5 00
*C-2370	Conversation Tube, cylindrical, cotton, \$1.50; silk.....	2 00
C-2375	Conversation Tube, conical, cotton, \$2.50; silk.....	3 50
C-2376	Cornets, Clayton's, celluloid	each 65
C-2377	Cornets, Clayton's, celluloid, right and left.....each	1 00
C-2378	Cornets, Clayton's, hard rubber	each 50
J-2380	Cornets, silver, oval, single, \$1.25; per pair.....	2 00
C-2385	Cornets, silver, round, single, \$1.25; per pair.....	2 00
C-2390	Ear Trumpet, bugle shape, tin, japanned, 3 sizes.....each	2 50
C-2395	Ear Trumpet, telescopic, hard rubber, 1 part	2 00
*C-2400	Ear Trumpet, telescopic, hard rubber, 2 parts.....	2 50
C-2405	Ear Trumpet, telescopic, hard rubber, 3 parts.....	3 00
C-2410	Ear Trumpet, telescopic, hard rubber, improved shape.....	6 00
C-2415	Ear Trumpet, telescopic, hard rubber, improved shape.....	6 00
C-2416	Hearing Horn, Clayton's, hard rubber, very light, held in position with spiral wire spring	6 50
C-2418	Hearing Horn, Clayton's, celluloid, fan shape.....	3 50
*C-2420	Hearing Horn, Double Dome	6 50
*C-2425	Hearing Horn, "Elite," covered with genuine leather.....	7 00
*C-2430	Hearing Horn, "Grand Opera," made of gun metal, permanent black finish	5 00
C-2435	Hearing Horn, Greene's, tin, japanned, short or long tube.....	2 50
C-2440	Hearing Horn, Haslam's, "Little Giant," very powerful.....	3 00
C-2445	Hearing Horn, London, black finish, small, \$2.00; medium, \$2.50; large....	3 00
C-2450	Hearing Horn, London, nickel finish, small, \$2.00; medium, \$2.50; large....	3 00
*C-2455	Stetho-Clare, No. 1A, cylindrical, silk tube.....net	7 00
C-2460	Stetho-Clare, No. 1, conical, silk tube.....net	8 00
*C-2465	Stetho-Clare, No. 3, with two conical silk tubes and bells.....net	12 00
C-2470	Stetho-Clare, No. 2, for distance.....net	6 50
C-2472	Stetho-Clare, No. 6, very sensitive.....net	6 00
C-2475	Tympanum, Toynbee's, artificial	50

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Nasal Instruments



C-2630



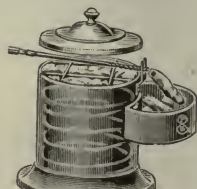
C-2605



C-2635



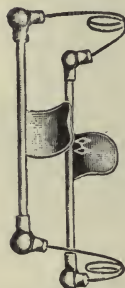
C-2620



C-2625



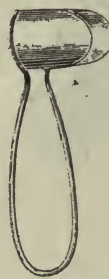
C-2505



C-2552



C-2530



C-2550



C-2495



C-2551



C-2520



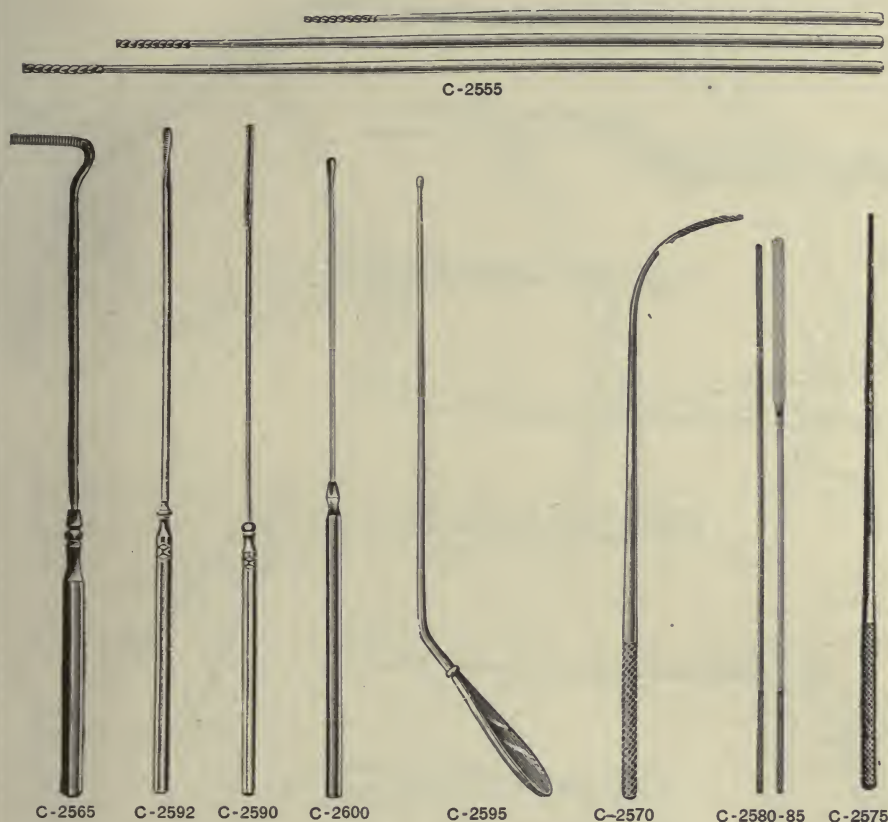
C-2545



C-2554

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Nasal Instruments



DILATORS.

*C-2480	All Nasi Distender	\$0 40
*C-2485	Feldbausch's	40

SPECULUMS.

*C-2490	Beckman's	2 25
C-2495	Bosworth's, 2 sizes, improved each	75
*C-2496	Bosworth's, plain wire.....	30
*C-2498	Coakley's,	1 25
C-2505	Frankel's, improved	1 00
*C-2510	Hartman's	1 25
C-2515	Hefferman's, right and left, ea	50
C-2520	Ingals'	1 00
*C-2525	Jarvis'	30
C-2530	Lublinski's	75
*C-2535	Monosmith's	1 50
C-2540	Myles', self retaining, 3 sizes, each	1 00
C-2545	Pynchon's	1 00
C-2550	Thudicums'	50
C-2551	Vienna	1 00
C-2552	Yankauer's	1 75
C-2554	Yankauer's, tubular	4 00

APPLICATORS.

C-2555	Andrews', aluminum, 3 sizes each	15
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*C-2560	Bosworth's, aluminum	\$0 35
C-2565	Buckwalder's, pharyngeal ..	50
C-2567	Farlow's, post nasal	40
C-2570	Ivans', all steel, pharyngeal ..	25
C-2575	Kyle's, all steel	15
C-2580	Plain, aluminum, 2 rough ends, .10; per dozen	75
C-2585	Plain, aluminum 1 flat and 1 rough end, .10; per dozen ..	75
C-2590	Plain, with handle, No. 1 rough end, No. 2 spiral end, No. 3 triangular end, No. 4 flat end, plated or aluminum, each	15

PROBES,

C-2595	Angular, Farlow's, plated ..	50
C-2600	Plain, flexible,, plated	25

RESERVOIRS FOR COTTON.

C-2605	Farrell's	1 25
*C-2615	Hoggsett's	2 50
C-2620	Phillips'	1 50
C-2625	Phillips', with waste trough ..	2 25

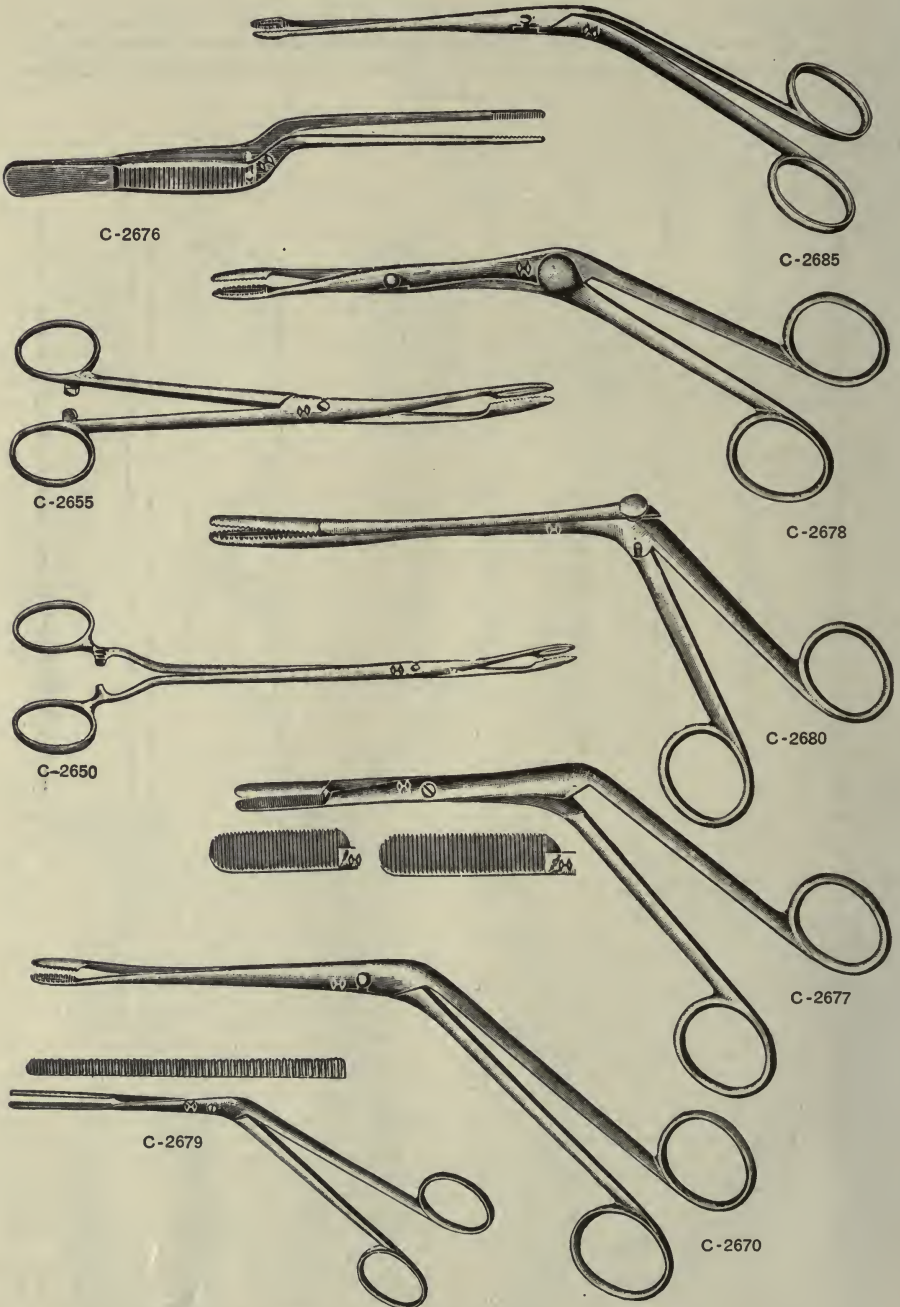
RESERVOIRS FOR WASTE.

C-2630	Campbell's	1 50
C-2635	Farrell's	1 10

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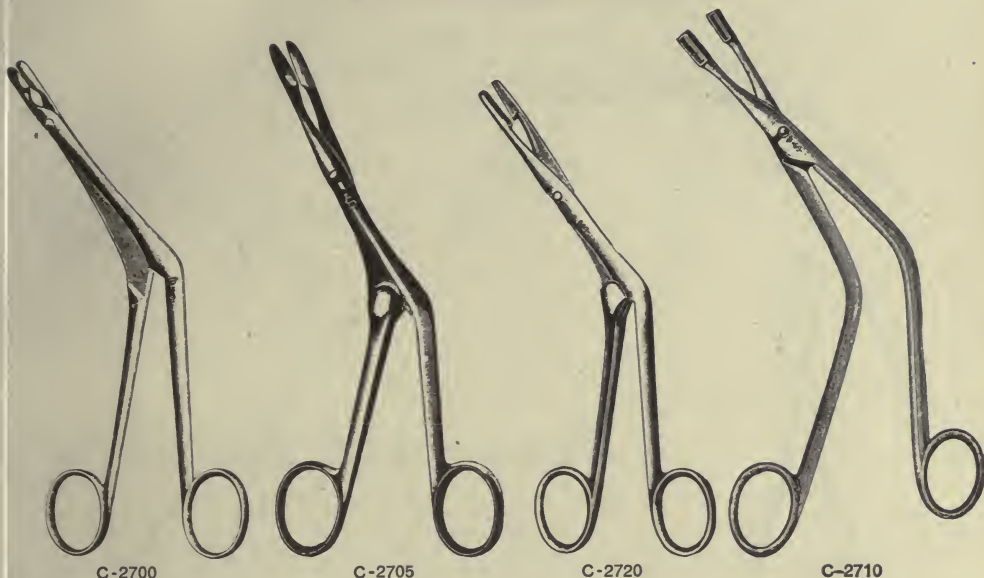
Nasal Instruments



QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Nasal Instruments



NASAL FORCEPS.

DRESSING AND POLYPUS FORCEPS.

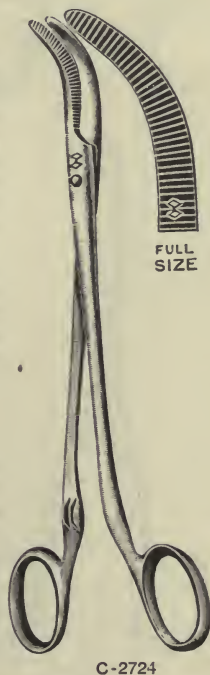
*C-2645	Braun's, for foreign bodies	\$1 75
C-2650	Duplay's, polypus, curved	1 75
C-2655	Gross', polypus, curved	1 50
*C-2660	Gruenwald's, tampon	1 75
*C-2665	Hartman's, polypus	1 50
C-2670	Hartman's, dressing	1 50
C-2675	Ingal's, dressing	1 50
C-2676	Jansen's, dressing	1 50
C-2677	Killian's, septum compression, small, \$3.00; large	3 00
C-2678	Knight's, polypus	1 50
C-2679	Musehold's, dressing and tampon ...	2 00
C-2680	Noyes', alligator jaw	3 50
C-2685	Simrock's, dressing	1 75
*C-2690	Wilson's, dressing	2 50

CUTTING FORCEPS.

C-2700	Heymann's, improved	2 75
C-2705	Knight's	2 75
C-2710	Krause's	3 75
*C-2715	Pyncheon's	4 00
C-2720	Teet's	4 00

HAEMOSTATIC FORCEPS.

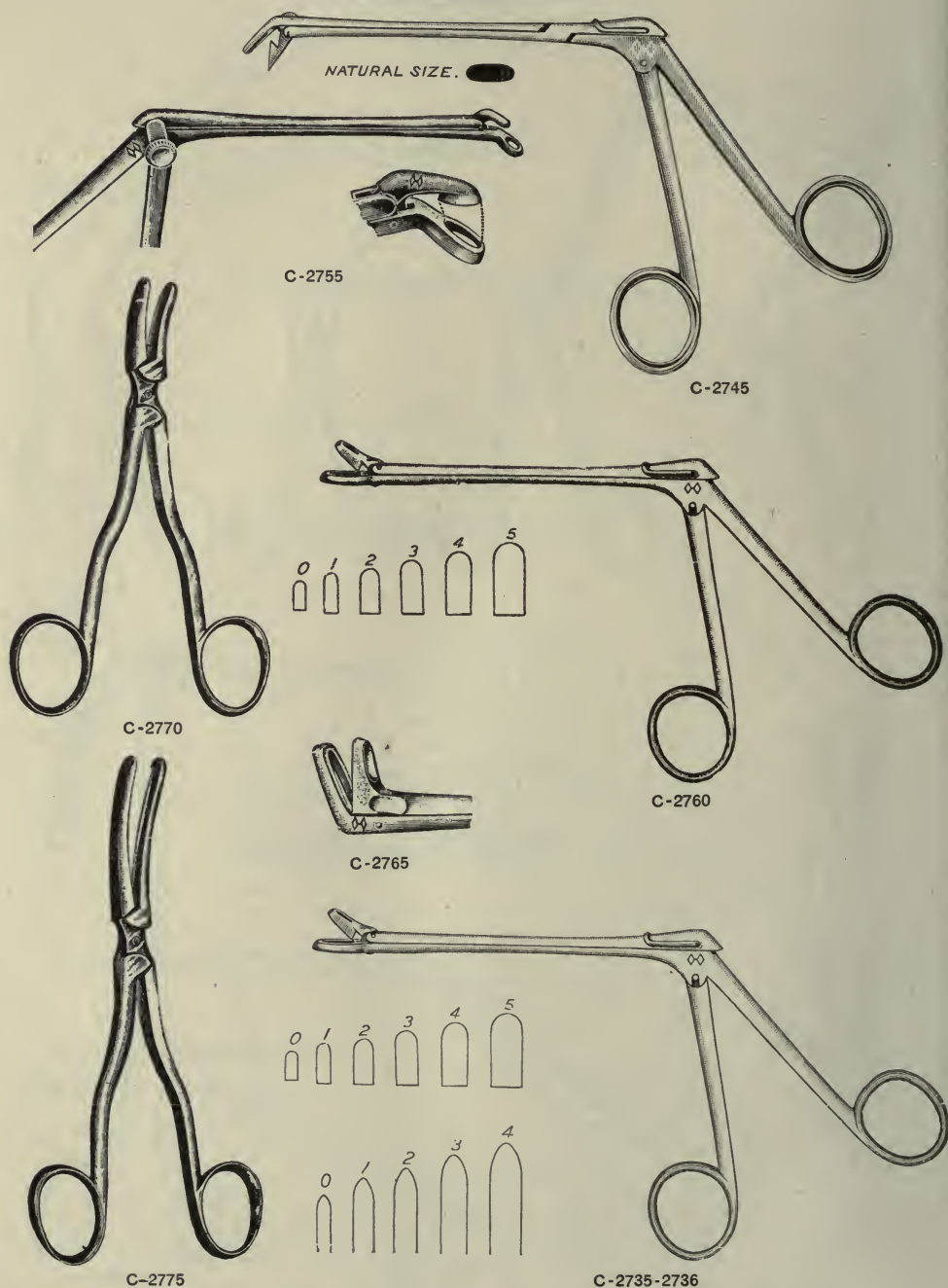
C-2722	Knecht's, for epistaxis, with soft rubber covered jaws	1 00
C-2724	Shallcross', double curved	2 50



QUALITY GUARANTEED.—Specify section letter and number in ordering.

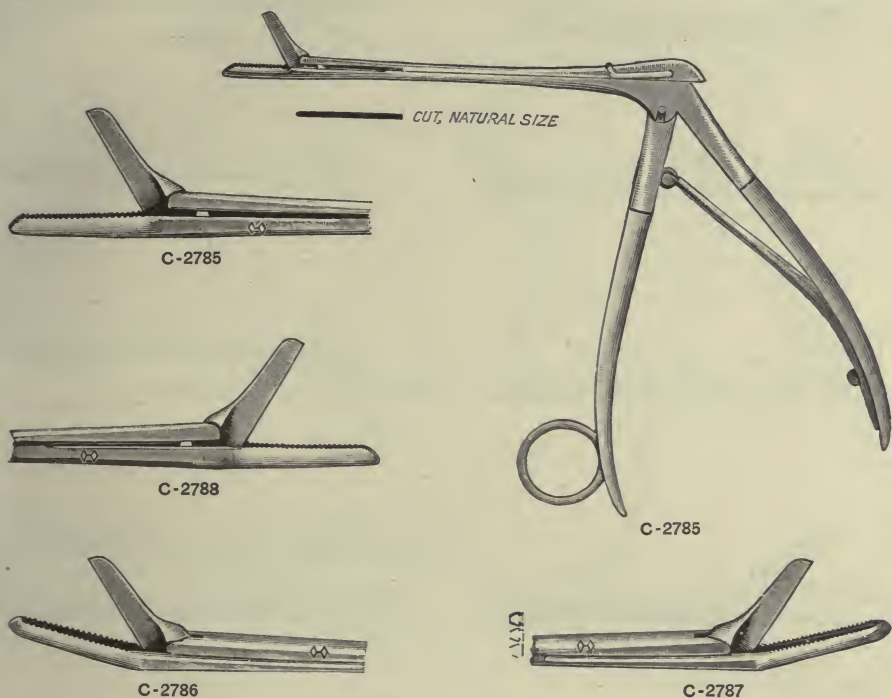
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Nasal Instruments



QUALITY GUARANTEED.—Specify section letter and number in ordering.
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Nasal Instruments



NASAL CUTTING FORCEPS.

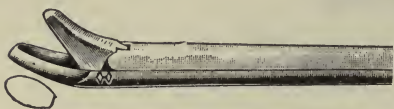
*C-2730	Farnham's, solid blade	\$7 50
C-2735	Gruenwald's, latest, straight, oval cut, 5 sizes.....	8 00
C-2736	Gruenwald's, latest, straight, half oval cut, 5 sizes.....	8 00
*C-2740	Gruenwald's, latest, curved up.....	8 00
C-2745	Gruenwald's, latest, curved down	8 00
*C-2750	Gruenwald's, latest, curved to right or left.....	each 8 00
C-2755	Hartman-Gruenwald's, latest, curved to right or left.....	each 8 00
C-2760	Myles', latest, straight, 5 sizes.....	7 00
C-2765	Myles', latest, cutting up, ethmoid	7 00
C-2770	Prince's, for bridge and middle turbinates	3 75
C-2775	Prince's, for polypus and inferior turbinates	4 00
C-2785	Van Struycken's, latest, straight	8 50
C-2786	Van Struycken's, latest, angled to side, right	9 00
C-2787	Van Struycken's, latest, angled to side, left	9 00
C-2788	Van Struycken's, latest, straight, lateral cut, right	9 00
*C-2789	Van Struycken's, latest, straight, lateral cut, left	9 00
*C-2790	Weir's	3 50

The attention of the specialist is called to the construction of our Van Struycken forceps. The construction offers two distinct advantages over other makes. The cut is narrower and sharper. The groove on each side of the blades, extending backward toward the handles, permits of continuous forward cutting.

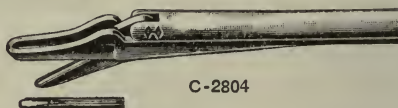
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Nasal Instruments



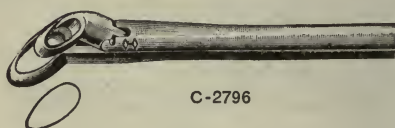
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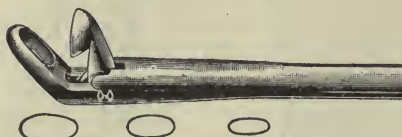
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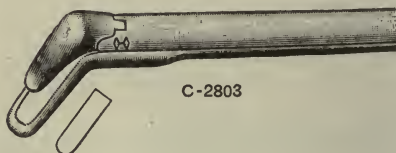
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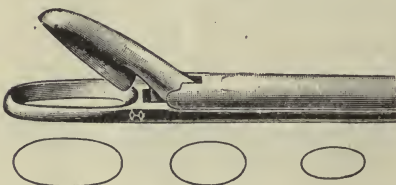
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C-2793



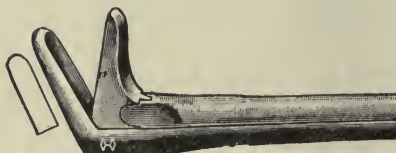
C-2803



C-2798



C-2797



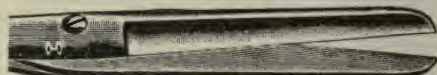
C-2802



C-2791



C-2809



C-2806



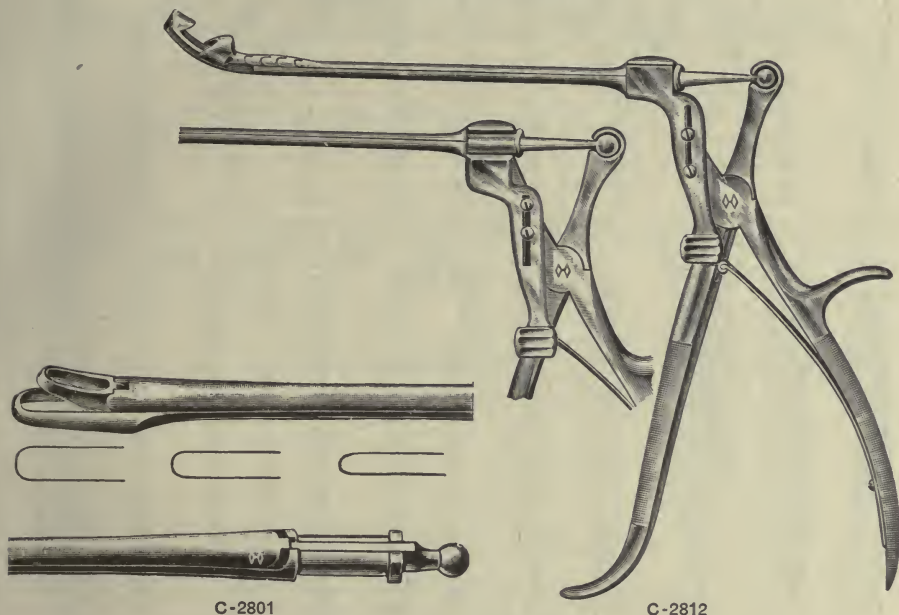
C-2807



C-2808

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Nasal Instruments



C-2801

C-2812

NASAL CUTTING FORCEPS

FITTING HASLAM'S UNIVERSAL HANDLE.

		Blades Only	With Univ. Handle
C-2791	Fry's, curved up	\$5 50	\$11 50
C-2792	Gruenwald's, straight, 3 sizes	each 4 75	10 75
C-2793	Gruenwald's, curved up, 3 sizes	each 5 50	11 50
*C-2794	Gruenwald's, curved down, 3 sizes	each 5 50	11 50
C-2796	Gruenwald-Kuemmel's, curved right and left	each 6 25	12 25
C-2797	Gruenwald-Struycken's, 3 sizes	each 5 00	11 00
C-2798	Hartman's, oval, straight, 3 sizes	each 5 00	11 00
C-2799	Lermoyez's	each 5 00	11 00
C-2801	Myles', straight, 3 sizes	each 4 75	10 75
C-2802	Myles', curved, 1 size	each 6 00	12 00
C-2803	Myles', curved, right or left	each 6 75	12 75
C-2804	Struycken's, cutting, straight	each 5 00	11 00

NASAL SCISSORS.

C-2806	Hartman's, straight	6 00	12 00
C-2807	Holmes', straight	5 75	11 75
C-2808	Holmes', curved	6 25	12 25
C-2809	Watson's, angular	6 75	12 75

HASLAM'S UNIVERSAL HANDLE.

C-2812	Haslam's Universal Handle, only	6 00
--------	---------------------------------------	------

The shanks of the nasal cutting forceps and scissors listed above are made interchangeable to fit the Haslam Universal Handle. The mechanical construction of the handle is very simple. It fits the hand perfectly, gives great power and is so designed as to place the hand of the operator well out of the line of vision. The blades can be rotated in the handle and held in four different positions. A simple slide mechanism attached to the handle permits the changing of the blades in a few seconds.

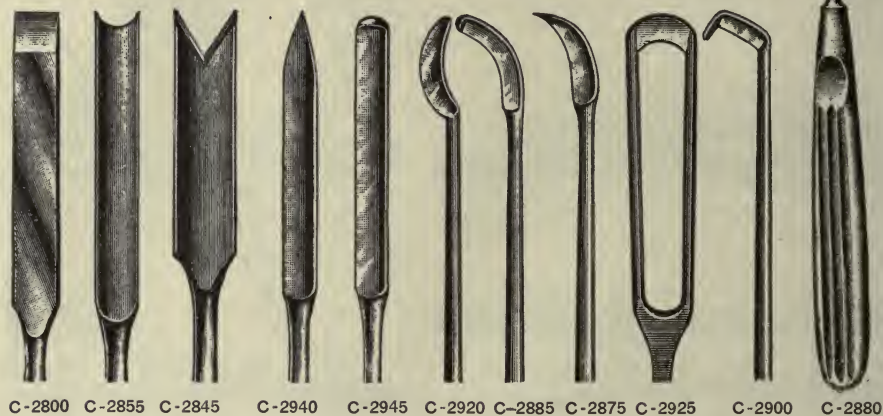
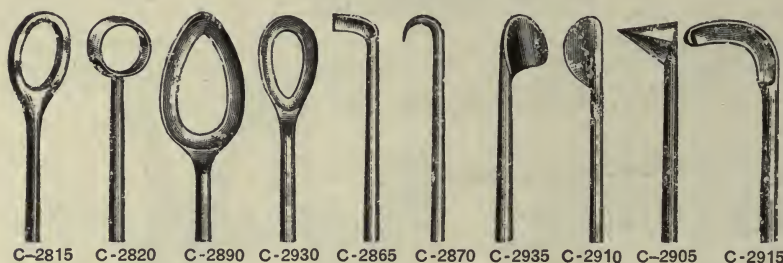
The interchangeable feature adds slightly to the cost if a single instrument is purchased, but where two or more blades are purchased or, where the purchaser when buying the first instrument has a practice that might demand other blades for future work, the practitioner will find that he can effect a considerable saving.

We guarantee every blade to be perfect in fit, design, finish, temper and cut. Our forceps can also be used with the K. S. handle. We guarantee a perfect fit.

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Nasal Instruments



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Nasal Instruments



C-2810



C-2825



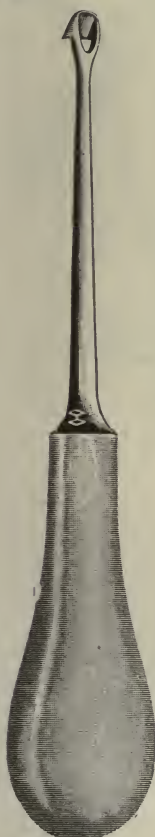
C-2852



C-3283

CHISELS, GOUGES, CURETTES, KNIVES,
HOOKS, ETC.

C-3283	Chisel, Andrew's, turbinated	\$1 50
C-3284	Chisel, Ballenger's, reverse, submucous septum	2 50
C-3281	Chisel, Freer's, angular, submucous septum	1 50
C-3282	Chisel, Freer's, curved, submucous septum	1 75
C-3280	Chisel, Freer's, straight, submucous septum	1 25
*C-2795	Chisel, Heyman's, 3 sizes	each 1 50
C-2800	Chisel, plain	1 25
C-2805	Chisel, White's	1 75
C-2810	Curette, Bryant's, with gouge, ethmoid	2 25
C-2815	Curette, Kyle's, blunt	1 75
C-2820	Curette, round, sharp	1 50
C-2825	Curette, Schafer's, double, graduated handle	1 25
*C-2835	Elevator, Asch's, septum	1 00
C-2838	Gauze Packer, J. Beck's, submucous.....	1 25
*C-2840	Gouge, Asch's, septum	1 25
C-2850	Gouge, Ballenger's, V shape.....	1 10
C-2852	Gouge, Freer's, 2 sizes	each 1 25
C-2845	Gouge, Hajek's, 3 sizes	each 1 25
C-2855	Gouge, plain	1 25
C-2860	Gouge, White's	1 75
C-2865	Hook, Hajek's, flat, sharp	1 00
C-2870	Hook, Hajek's, sharp pointed	1 00
C-2875	Knife, Allen's, septum	1 50
C-2880	Knife, Ballenger's, swivel, septum, 2 sizes,	each 2 50
C-2885	Knife, Barnes', septum	1 50
C-2890	Knife, Behren's, spoke shave, 2 sizes in 1 handle	4 50
*C-2895	Knife, Chappell's, ring, 2 sizes	1 25
C-2900	Knife, Douglass', hook shape, septum.....	1 75
C-2905	Knife, Douglass', septum	1 50
C-2910	Knife, Ingal's, septum	1 50
C-2915	Knife, Killian's, exostosis	1 50
C-2920	Knife, Kyle's, septum	1 50
C-2925	Knife, Nichol's, spoke shave, with 1 blade.	3 50
C-2930	Knife, plain, spoke shave	2 25
C-2935	Knife, Schultz's, spoke shave, right and left	each 1 50
C-2940	Knife, straight, sharp, septum	1 50
C-2945	Knife, straight, blunt, septum	1 50
C-2952	Shave, Burrell's, submucous septum.....	3 50
C-2954	Spatula, J. Beck's, for applying cocaineized cotton	1 50



C-2952

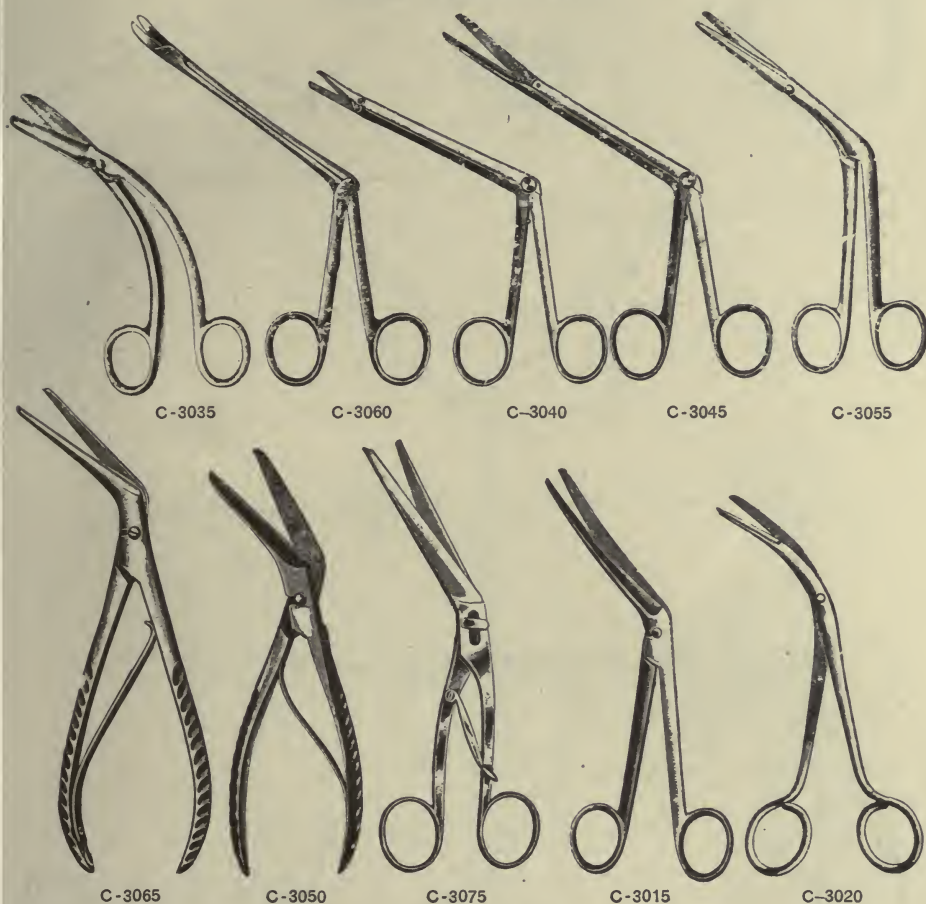


C-3284

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Nasal Instruments



Nasal Saws and Scissors

NASAL SAWS.

C-2955	Bosworth's, straight	\$1 25
C-2956	Bosworth's, angular, cutting upward	1 25
C-2957	Bosworth's, angular, cutting downward	1 25
C-2960	Curtis', straight, thin blade	1 25
C-2965	Fetterhof's, rasp, small or large	1 75
C-2970	Hall's, bevelled edge, right or left	1 75
C-2975	Hall's, bevelled edge, 2 blades with 1 handle.....	2 50
C-2980	Hamilton's, latest model, bevelled edge, 2 blades with 1 handle.....	2 50

The blades of this saw have bevelled edges, finely tempered, and are right and left. The handle is large and comfortable. The blades can be adjusted either straight or at an angle.

C-2985	Holmes', thin blade, with straight or back cutting teeth.....	1 50
C-2990	Kyle's, horizontal	1 50
C-2995	Kyle's, vertical	1 50
C-2997	McAuliff's, 2 blades having bevelled edges with 1 handle.....	2 50
C-3000	Pyncheon's, concave blades, right or left	1 50
C-3012	Sajou's, straight, cross cut blade	1 25
C-3013	Sajou's, angular, cross cut blade, up	1 25
C-3014	Sajou's, angular, cross cut blade, down	1 25

NASAL SCISSORS.

C-3015	Beckman's, for upper turbinates	2 50
C-3020	Beckman's, for middle turbinates	2 50
*C-3025	Beckman-Ballenger's, with serrated edges	2 50
C-3035	Casselberry's, serrated edges	2 50

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Nasal Instruments



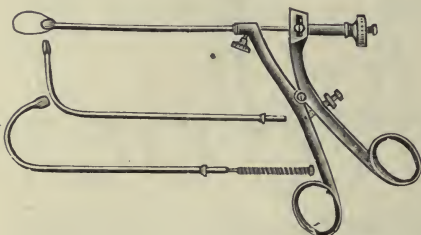
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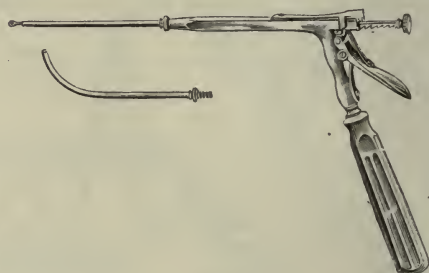
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C-3170



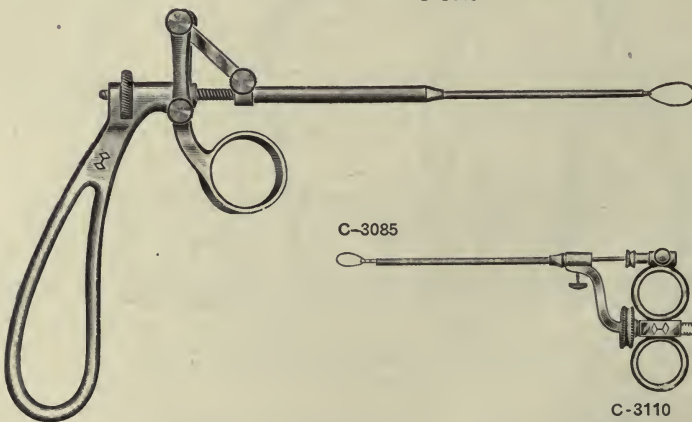
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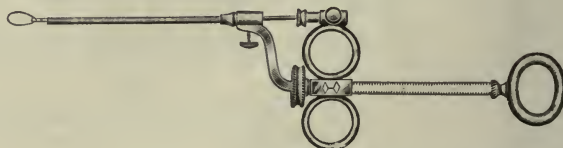
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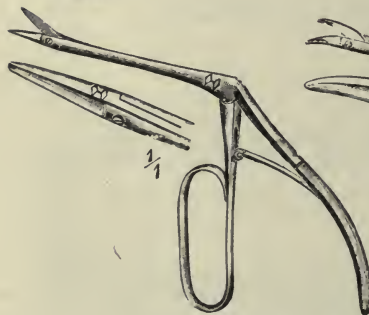
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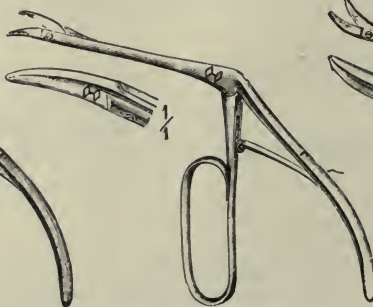
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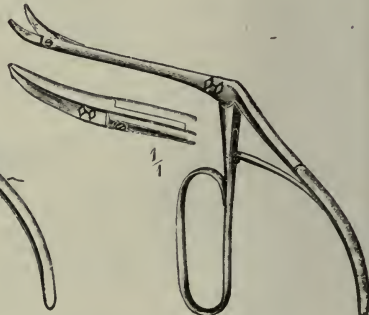
C-3110



C-3061



C-3062

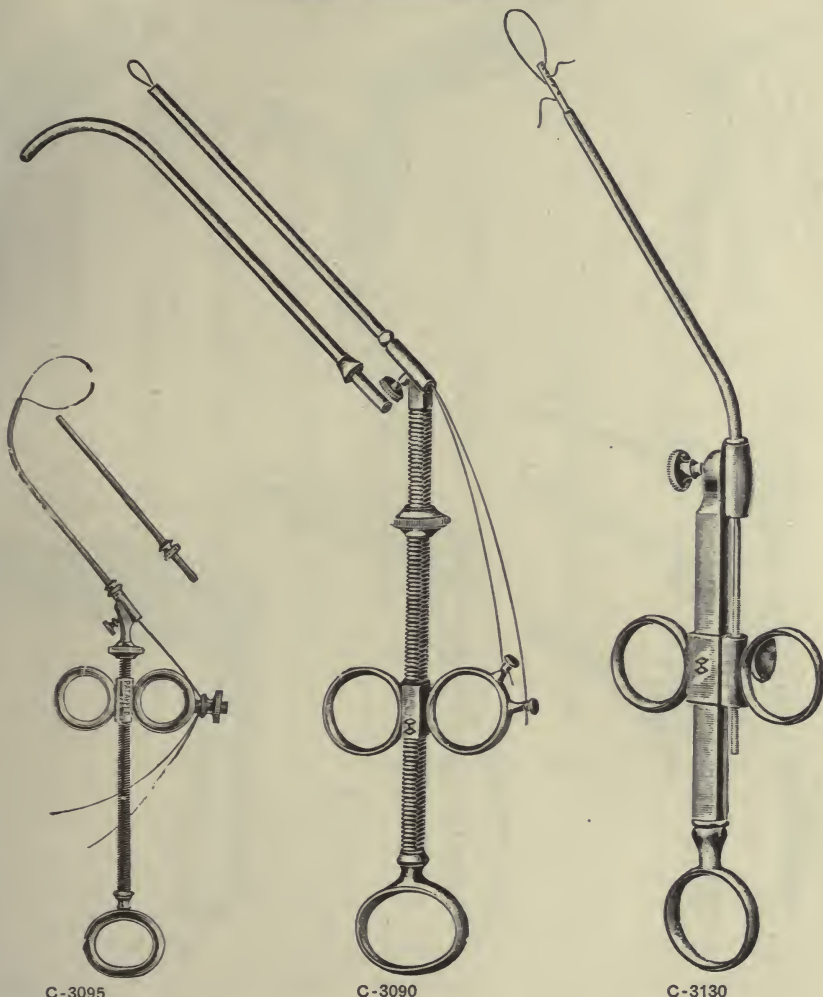


C-3063

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Nasal Instruments



C-3095

C-3090

C-3130

NASAL SCISSORS.

*C-3037	Griffin's	\$1 75
C-3040	Gruenwald's, page 241	6 50
C-3045	Hartman's, page 241	6 50
C-3050	Herzfeld's, page 241	3 50
C-3055	Heymann's, page 241	1 75
C-3060	Holmes', curved to right or left, page 241	each 8 25
C-3061	Holmes', latest, straight	8 25
C-3062	Holmes', latest, curved to right	8 25
C-3063	Holmes', latest, curved to left	8 25
C-3065	Jackson's, turbinatome, page 241	3 50
*C-3070	Knight's	1 75
C-3075	Miller's, page 241	4 50
*C-3080	Seller's	1 75

NASAL SNARES.

*C-3083	Annisdale's, in cloth roll....	\$6 00
C-3085	Baker's	5 50
C-3090	Bosworth's, plain	1 25
C-3095	Bosworth's, improved, seamless steel tips	1 50
*C-3100	Bosworth's, latest, all steel.	2 50
C-3110	Douglass'	3 50
*C-3115	Duffee's	6 00
*C-3120	Ingals', all steel	6 00
*C-3125	Jarvis', straight	1 25
C-3130	Krause's	3 50
*C-3135	Martin's	3 50
C-3140	Sajou's, original	1 50
C-3145	Sajou's, improved, 3 tips....	7 50
C-3150	Wright's, 2 tips	5 50
*C-3155	Wright's, 2 tips, folding handle	6 50

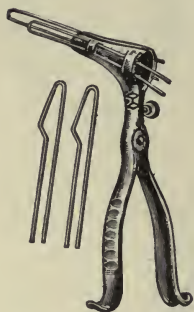
SNARE WIRE.

C-3160	Snare Wire, on spools, sizes 1 to 5.....	each 05
C-3165	Snare Wire, in ¼-lb. coils, sizes 1 to 5.....	per coil 50
C-3170	Snare Wire, cut ready for use with sylet, sizes 1 to 5, 12 in package...pkg.	10

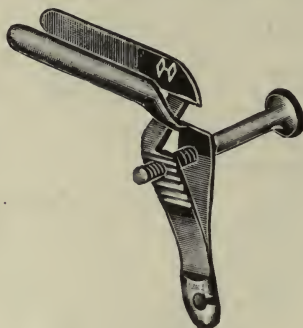
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Nasal Septum Instruments



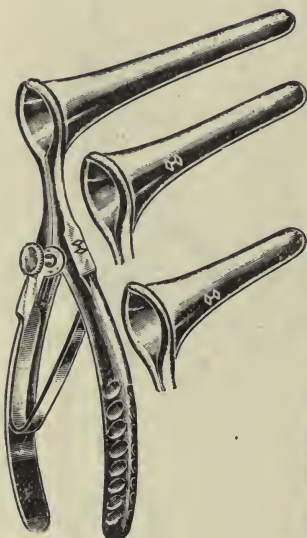
C-3244



C-3235



C-3225



C-3240



C-3246



C-3224



C-3255



C-3265



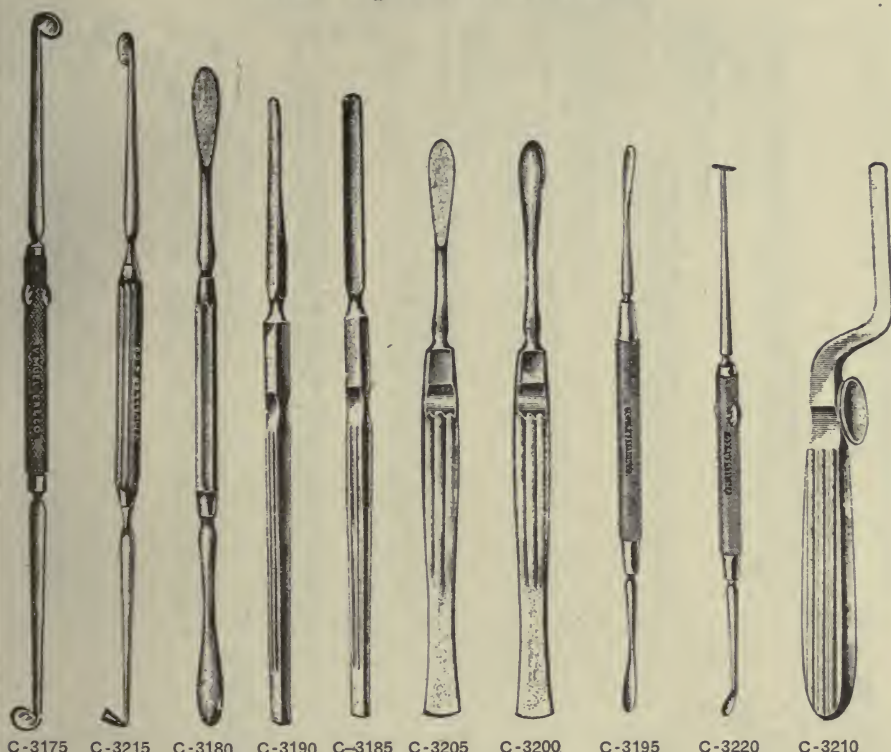
C-3270



C-3275

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Nasal Septum Instruments



DISSECTOR.

C-3175	Pierce's, sub mucous, right and left	\$1 75
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ELEVATORS.

C-3180	Ballenger-Hajek's, double	1 75
C-3185	Ballenger-Hajek's, blunt	1 50
C-3190	Ballenger-Hajek's, semi-sharp	1 50
C-3195	Freer's, double, blunt and sharp	1 75
C-3200	Killian's, blunt	1 50
C-3205	Killian's, sharp	1 50
C-3210	Killian's, bayonet form, sharp, right and left.....each	2 00

HOE AND KNIFE.

C-3215	Beck's, hoe and knife, double	2 00
C-3220	Brown's (R. H.), hoe and knife, double	2 00

SPECULUMS.

C-3224	Ballenger's, right and left	each 1 00
C-3225	Ballenger's	1 00
*C-3230	Beck's, self retaining, to be used with head band.....	2 00
C-3235	Beck's, nasal clamp	1 75
C-3240	Killian's, made of tempered steel, 3 sizes, 2 in., 2½ in., 3 in. blades.....each	2 50
*C-3242	Metzenbaum's,	2 00
C-3244	Mosher's	2 75
*C-3245	Ostrom's, self retaining, to be used with head band.....	4 50
C-3246	Pynchon's, self retaining	1 75
*C-3250	Prince's, sub mucous retractor	1 50

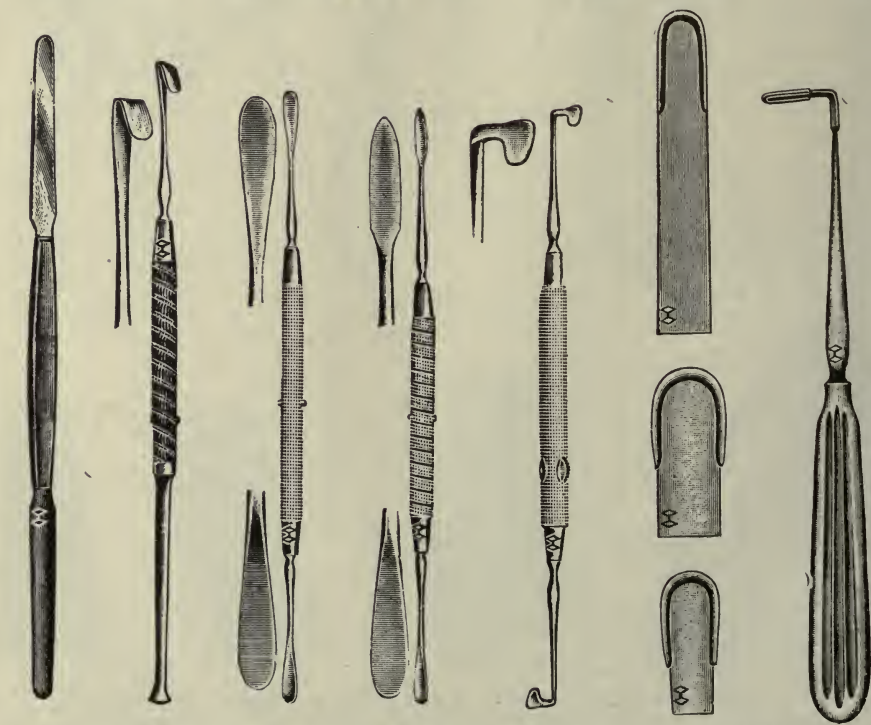
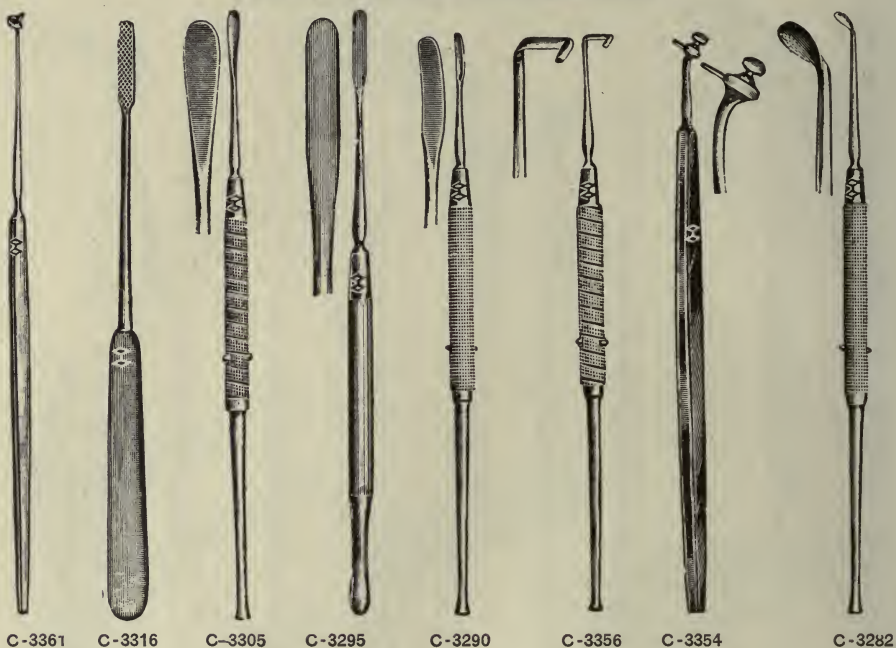
SPLINTS.

C-3255	Douglas', hard rubber, 3 sizes.....s.....each	75
*C-3260	Farrel's, metal, 6 sizes	50
C-3265	Kyle's, metal, perforated, 5 sizes	40
C-3270	Mayer's, hard rubber, 6 sizes	40
C-3275	McKernon's, hard rubber, 6 sizes	each 75

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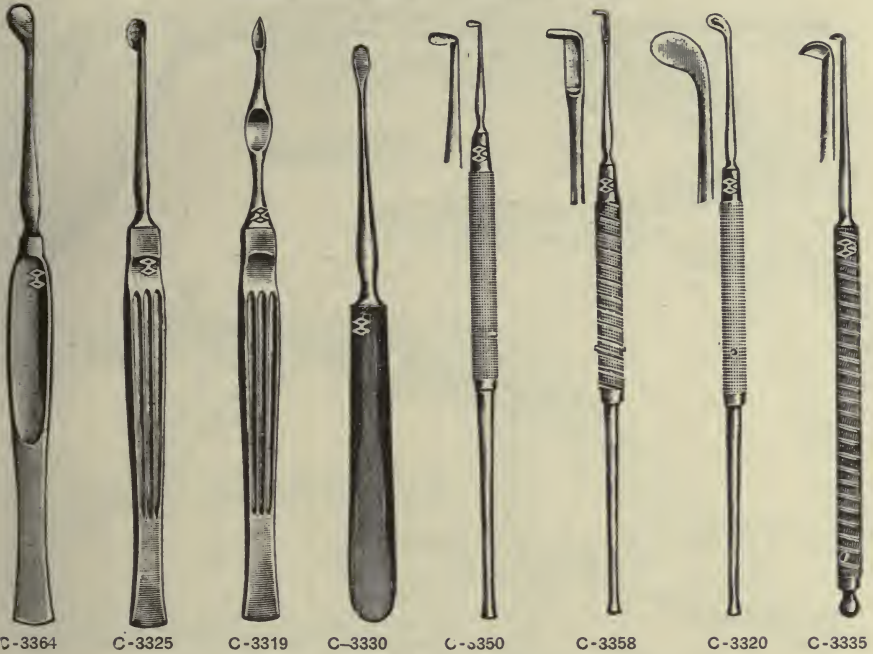
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Nasal Septum Instruments



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Nasal Septum Instruments



Instruments for Resection of the Nasal Septum

ELEVATORS.

C-3281	Blackwell's, flexible copper	\$2 50
C-3282	Freer's, angular	1 50
C-3284	Freer's, double end, sharp and blunt	2 00
C-3305	Freer's, L, sharp	1 50
C-3310	Freer's, M, blunt	1 50
C-3290	Freer's, X, short, sharp	1 50
*C-3291	Freer's, X, short, blunt	1 50
*C-3295	Freer's, Y, long, sharp	1 50
*C-3296	Freer's, Y, long, blunt	1 50
C-3311	Goldstein's, blunt	1 75
*C-3312	Goldstein's, sharp	1 75
C-3313	Haseltine's, with knife	2 00
C-3314	Thomsen-Von Colditz's	2 00

FILE.

C-3316	Good's, septum	1 75
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HOOKS.

*C-3315	Freer's, U, double, sharp	1 25
*C-3317	Killian's, angular, sharp	1 25
*C-3318	Killian's, angular, blunt	1 75

KNIVES.

C-3319	Ballenger's, mucosa	1 75
C-3320	Freer's, A	1 75
C-3325	Freer's, D	1 75
C-3330	Freer's, E	1 75
C-3335	Freer's, H	1 75
C-3350	Freer's, V	1 60
*C-3352	Freer's, I	1 75
C-3354	McCoy's	3 00
C-3356	Metzenbaum's	2 25
C-3358	Murray's	2 00
C-3361	Myles', vertical	2 25
*C-3362	Myles', lateral	2 25
C-3364	Stein's	1 75

RETRACTORS.

C-3365	Freer's, Q, extra long	2 00
C-3355	Freer's, R, medium, 8 mm.	1 75
C-3360	Freer's, S, small, 6 mm.	1 75

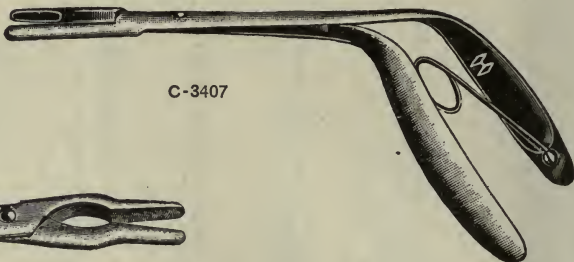
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Nasal Septum Instruments



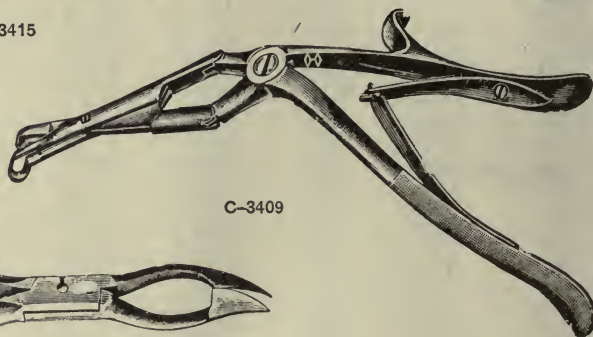
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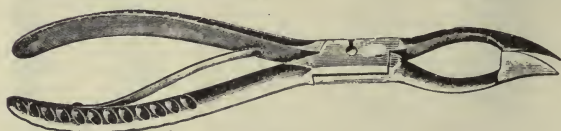
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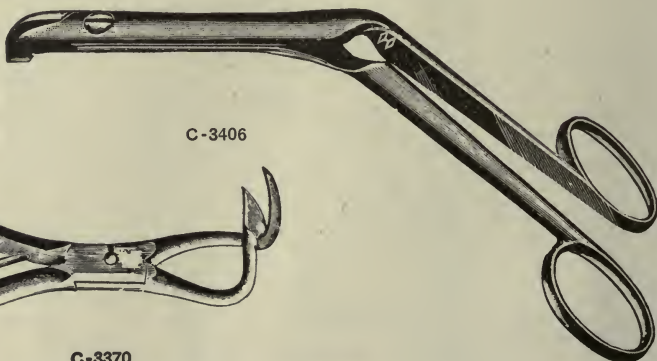
C-3415



C-3409



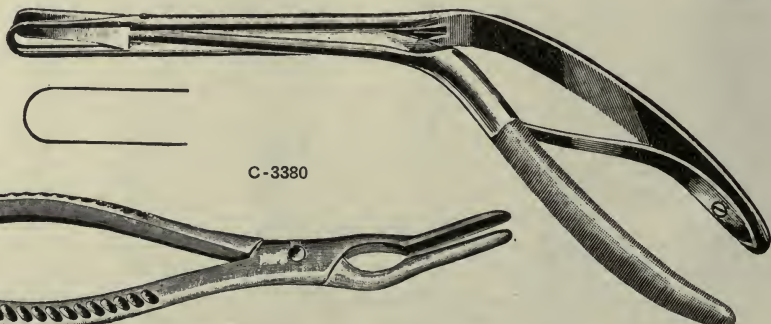
C-3375



C-3406



C-3370



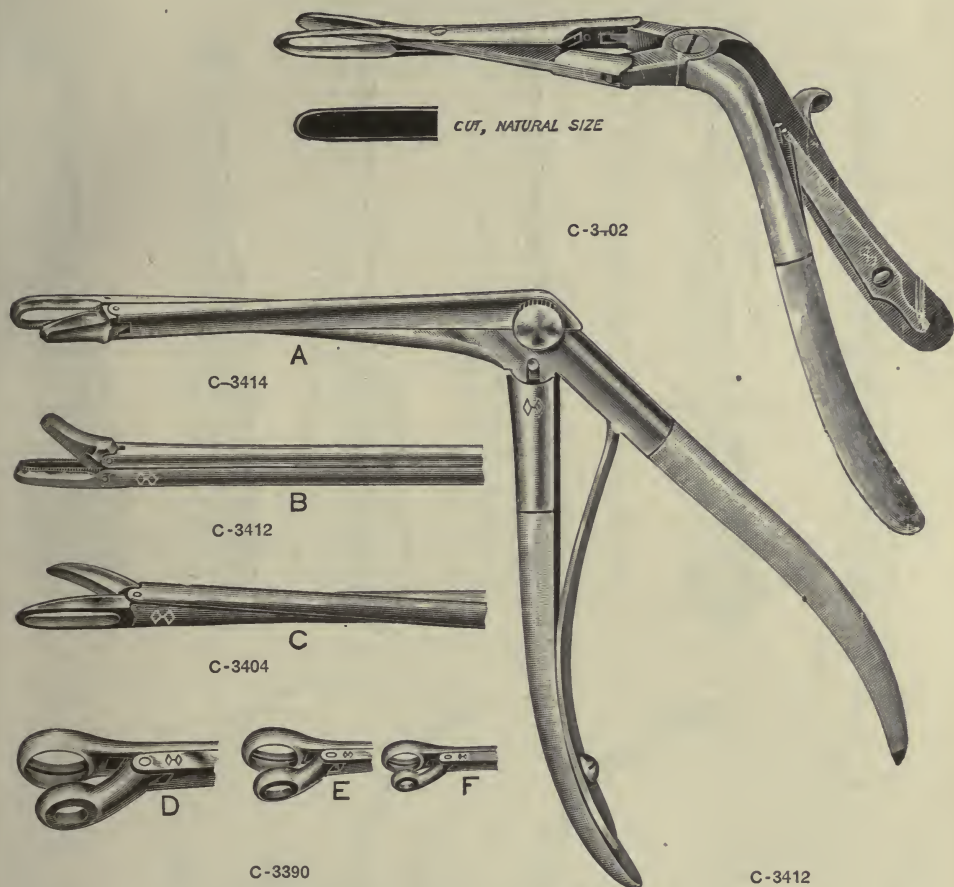
C-3380



C-3420

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Nasal Septum Instruments



Septum Cutting and Straightening Forceps
CUTTING FORCEPS.

C-3370	Asch's, angular	\$4 00
C-3375	Asch's, straight	3 75
C-3380	Ballenger-Foster's, for cutting perpendicular plate	8 00
*C-3385	Boecker's	4 50
C-3390	Freer's, 3 sizes, Figs. D, E and F, right and left.....each	10 00
*C-3400	Hurd's, septal ridge	8 50
C-3402	Jansen-Middleton's, cross action cutting blades	12 00
C-3404	Jansen-Struychen's, latest model, Fig. C.....	11 00
*C-3405	Jarvis'	5 00
C-3406	Lutz's, septal ridge	5 00
C-3407	McCoy's, straight	5 50
C-3408	McCoy's, curved	5 50
C-3409	Mial's, septal ridge	14 00
C-3412	Pynchon's, sub mucous, cutting, straight, up and down, Fig. B.....	10 00
C-3414	Pynchon's, sub mucous, cutting, from side, Fig. A.....	10 00
C-3410	Sajou's, with 6 cutting blades	8 00

STRAIGHTENING FORCEPS.

C-3415	Adams',	2 00
C-3420	Asch's	2 25
*C-3425	Kyle's	3 75
*C-3428	Roe's	4 50

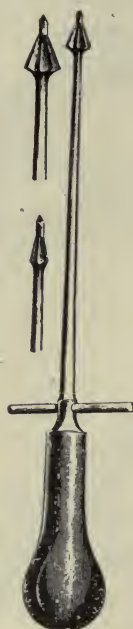
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Antrum Instruments



C-3457



C-3450



C-3470



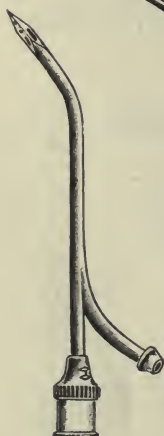
C-3455



C-3435



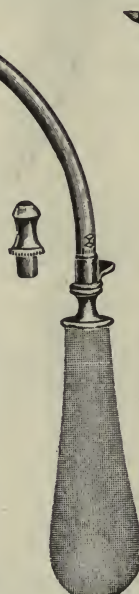
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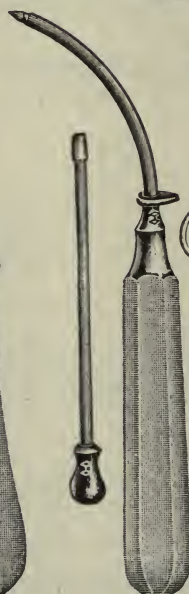
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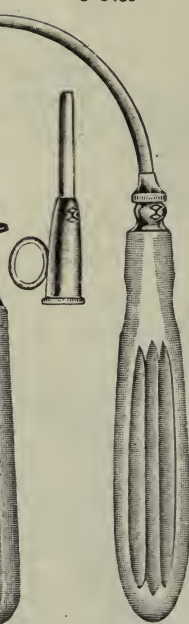
C-3495



C-3500



C-3502



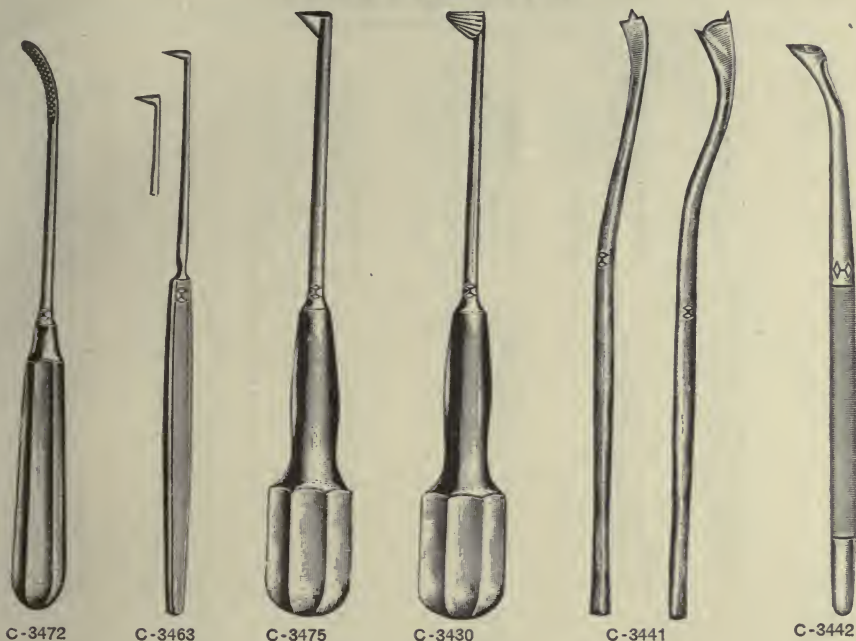
C-3482



C-3484

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Antrum Instruments



C-3472

C-3463

C-3475

C-3430

C-3441

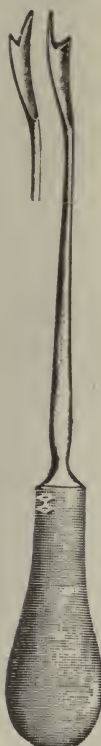
C-3442

ANTRUM INSTRUMENTS.

C-3430	Antrum Burr, Abraham's	\$3 00
C-3435	Antrum Burr, Ballenger's, 2 sizes	each 2 75
C-3440	Antrum Burr, Tilley's, curved, 3 sizes	each 2 75
C-3441	Antrum Chisel, Corwin's, 2 sizes	each 1 50
C-3442	Antrum Chisel, Myles', sharp	2 50
*C-3443	Antrum Chisel, Myles', blunt	2 50
C-3444	Antrum Chisel, Stein's, antro-turbinate, right and left	each 2 50
C-3445	Antrum Curette, Myle's, flexible shank, 5 sizes (see illustration on page 252)	each 1 50
C-3450	Antrum Drill, Boettcher's	2 50
C-3455	Antrum Drill, Hartman's	1 50
C-3457	Antrum Drill, Pope's, trephine	2 50
*C-3460	Antrum Drill, Schoetz's, with guard	2 50
*C-3462	Antrum Gouge, Curtis', curved	2 50
C-3463	Antrum Knives, Andrews', right and left	each 1 50
*C-3465	Antrum Perforator, Mikulicz's	1 75
C-3470	Antrum Perforator, Wellaminski's	2 00
C-3472	Antrum Rasp, Brawley's	3 00
C-3475	Antrum Reamer, Abraham's	2 50
C-3480	Antrum Saw, Vail's, right and left	each 2 25
C-3482	Antrum Trocar, Brawley's	2 75
C-3484	Antrum Trocar, Dickson's, in situ	4 50
*C-3490	Antrum Trocar, Jurascz's	3 50
C-3492	Antrum Trocar, Krause's	3 50
C-3495	Antrum Trocar, Myles', latest	2 50
C-3500	Antrum Trocar, Pierce's	3 00
C-3502	Antrum Trocar, Robertson's	3 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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C-3444



C-3480

Ethmoidal, Frontal Sinus and Sphenoidal Instruments



C-3554



C-3506



C-3546



C-3516



C-3548



C-3550



C-3541



C-3544



C-3552



C-3553



C-3556



C-3512



C-3503



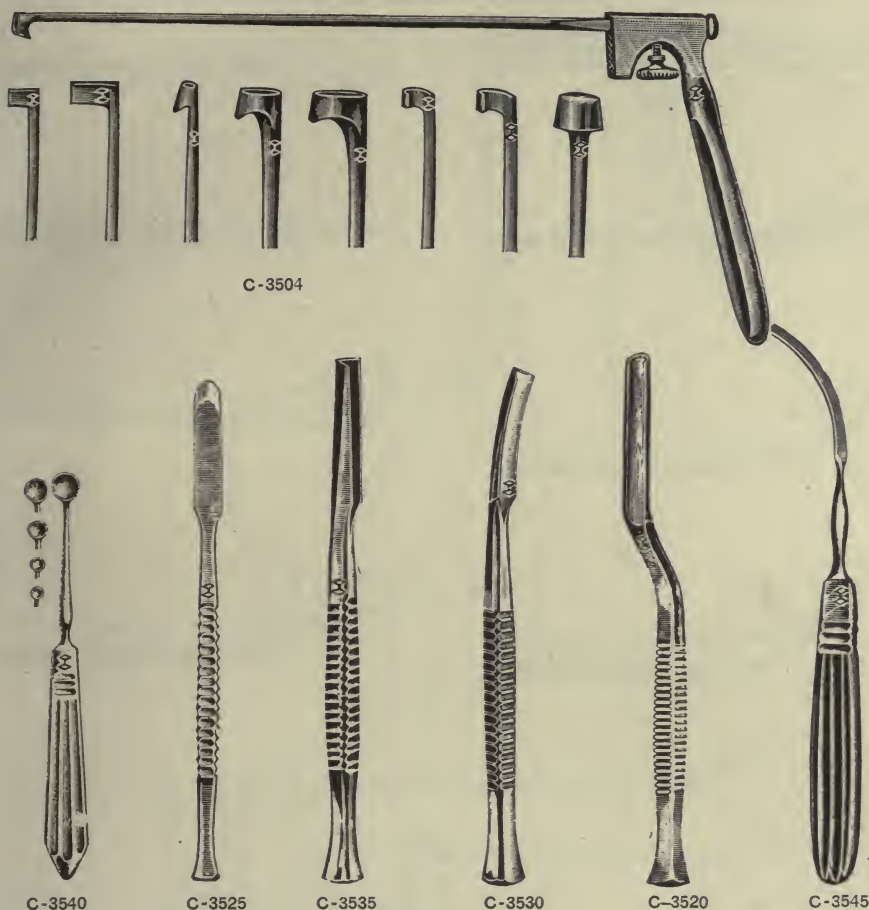
C-3507-3511



C-3445

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Ethmoidal, Frontal Sinus and Sphenoidal Instruments



ETHMOIDAL.

C-3503	Chisel, Griffin's	\$2 00
C-3504	Chisels, Myles', set of 10 with handle	22 50
C-3506	Curette, Ballenger's, 2 sizes	each 2 00
C-3507	Curette, Griffin's, straight	2 00
C-3508	Curette, Griffin's, half curved	2 00
C-3509	Curette, Griffin's, left side cutting	2 00
C-3511	Curette, Griffin's, right side cutting	2 00
C-3512	Gouge, Griffin's	2 00

FRONTAL SINUS.

C-3516	Chisel, Good's, 2 sizes	each 2 00
C-3520	Chisel, Killian's, bayonet shape	1 50
C-3525	Chisel, Killian's, convex edge	1 25
C-3530	Chisel, Killian's, curved	1 50
C-3535	Chisel, Killian's, straight	1 50
C-3540	Curette, Killian's, 5 sizes	each 1 00
C-3541	Drainage Tube, Good's, gold plated	1 00
C-3544	Protector, Good's, 3 sizes, each .10; set	25
C-3545	Protector, Killian's	1 50
C-3546	Rasp, Good's, right and left, 2 sizes	2 25
C-3548	Sounds, Good's, copper, double ends, set of 3	2 50

SPHENOIDAL.

C-3550	Canulae, Andrew's	1 25
C-3552	Knife, Andrew's, long curve	1 75
C-3553	Knife, Andrew's, short curve	1 75
C-3554	Probe, Andrew's	50
C-3556	Rasp, Good's	2 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Antrum, Ethmoidal, Sphenoidal and Frontal Sinus



C-3589



C-3591



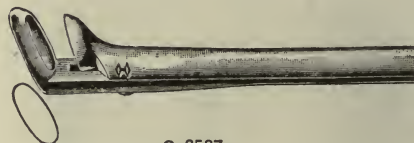
C-3584



C-3586



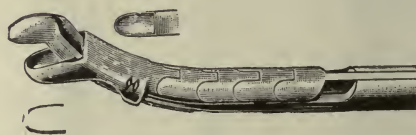
C-3581



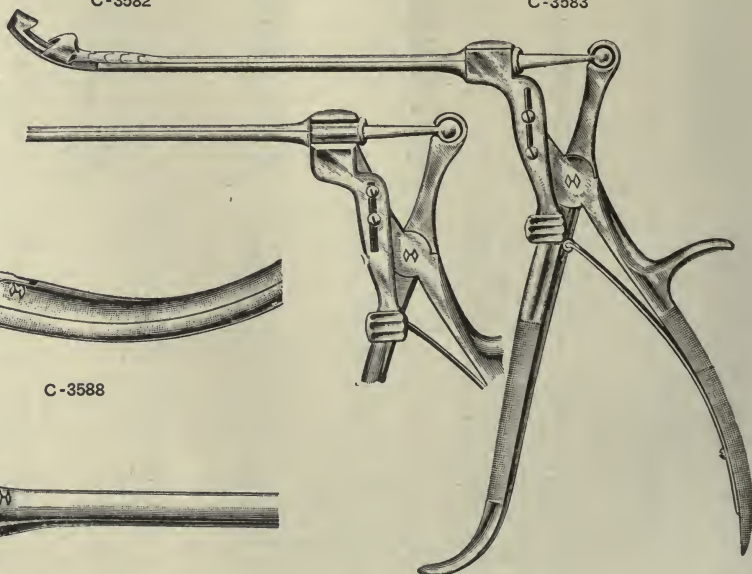
C-3587



C-3582



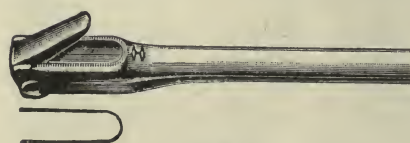
C-3583



C-3592-3581



C-3588

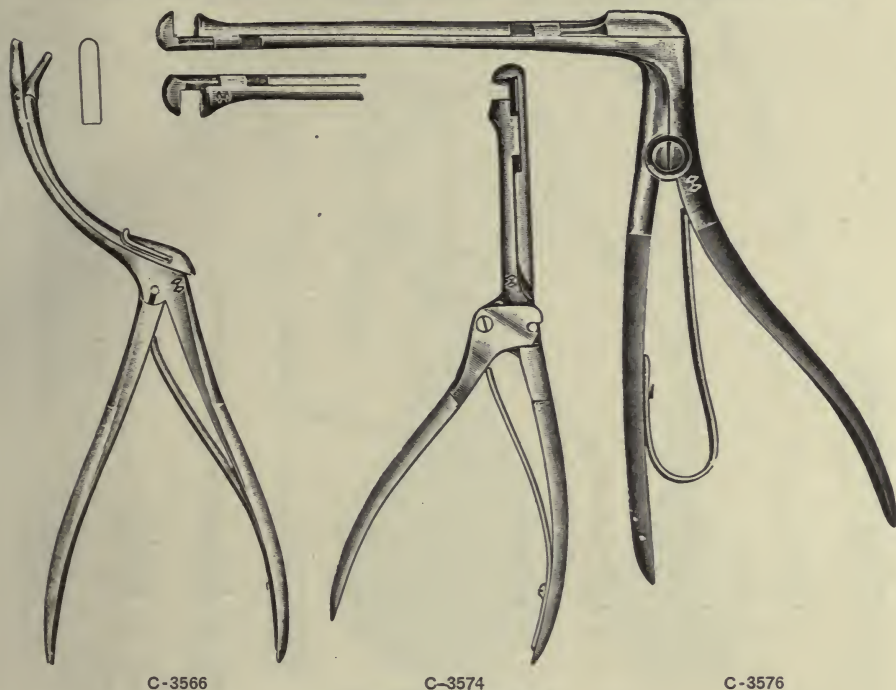


C-3578

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Antrum, Ethmoidal. Sphenoidal and Frontal Sinus



C-3566

C-3574

C-3576

PUNCHES—ANTRUM.

*C-3557	Ostrom's	\$10 00
*C-3558	Ostrom's, set of 2 punches, antrum and sphenoidal, 1 handle	14 00
*C-3559	Rhodes'	10 00
*C-3561	Spiess', reversible	13 50
*C-3562	Wagner's, cutting forward	15 00
*C-3563	Wagner's, cutting backward	15 00
*C-3564	Wagner's, set of 2 forceps with 1 handle	24 00

PUNCHES—ETHMOID.

C-3566	Lange's	9 00
*C-3568	Myle's, clipper	6 50
*C-3571	Schmithuisen's, clipper	10 50

PUNCHES—FRONTAL SINUS.

*C-3572	Prince's	12 50
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PUNCHES—SPHENOID.

*C-3573	Cordes'	12 50
C-3574	Hajek's, straight	12 50
C-3576	Hajek's, up or down	12 50
*C-3577	Ostrom's	8 00

Note.—All punches listed above are made according to the originators' design and are complete as listed.

The following punches are made with the cutting portion of the blade as originally designed but with the shank and shank extremity made to fit the Haslam Universal Handle. This handle is fully described on page 239.

PUNCHES FITTING HASLAM'S UNIVERSAL HANDLE.

		PUNCH WITH UNIVERSAL HANDLE	
		only	handle
ANTRUM.			
C-3578	Ostrom's, straight, reversible	6 50	12 50
C-3579	Ostrom's, curved, reversible	6 75	12 75
C-3581	Spiess', curved	9 00	15 00
C-3582	Wagner's, cutting forward	9 00	15 00
C-3583	Wagner's, cutting backward	9 00	15 00
ETHMOID AND SPHENOID.			
C-3584	Cordes', ethmoid	5 75	11 75
C-3586	Cordes', sphenoid	5 75	11 75
C-3587	Gruenwald's, ethmoid, reversible	6 00	12 00
C-3588	Lange's, ethmoid, curved	6 25	12 25
C-3589	Schmithuisen's, ethmoid and sphenoid, $4\frac{1}{2}$ in.	7 25	13 25
C-3591	Schmithuisen's, ethmoid and sphenoid, $6\frac{1}{4}$ in.	7 75	13 75

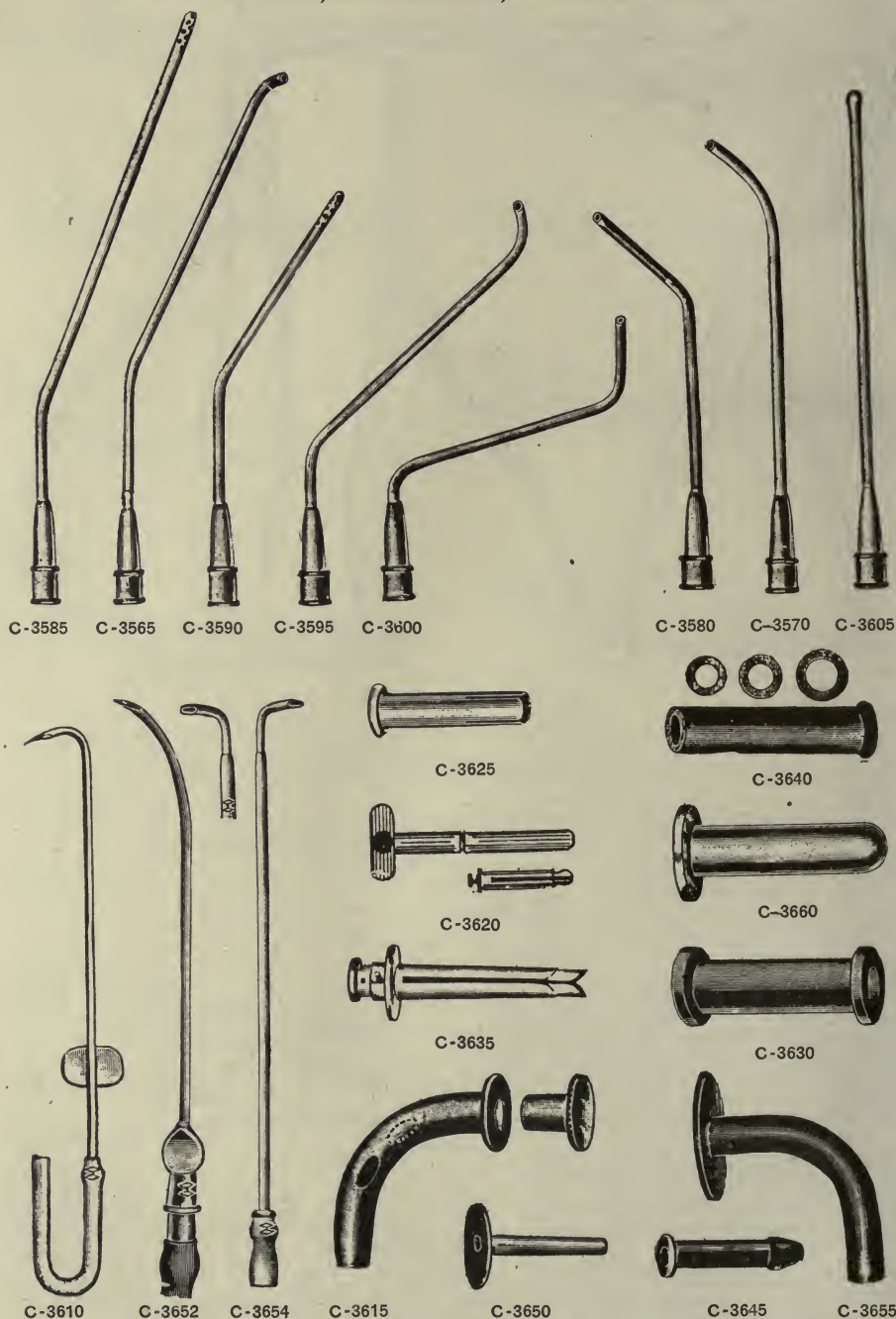
UNIVERSAL HANDLE.

C-3592	Haslam's, fitting any of the punches listed above	6 00
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Antrum, Ethmoidal, Frontal Sinus



QUALITY GUARANTEED.—Specify section letter and number in ordering.

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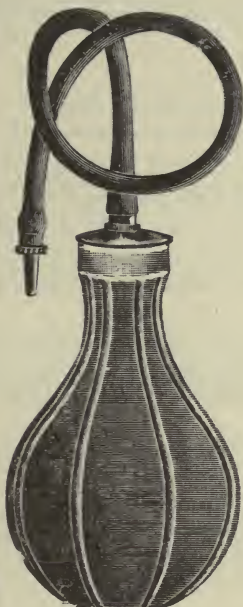
Antrum, Ethmoidal, Frontal Sinus



C-3670



C-3665



C-3675



C-3680

CANULAE.

C-3565	Bezold's, antrum, right and left	each	\$0 75
C-3570	Bresgen's, frontal sinus		75
C-3575	Fish's, antrum, delicate		1 00
C-3580	Fraenkel's, antrum		75
C-3585	Gruenwald's, frontal sinus		75
C-3590	Gruenwald's, sphenoidal sinus		75
C-3595	Hartman's, antrum		75
C-3600	Hartman's, frontal sinus		75
C-3602	Killian's, antrum		1 25
C-3605	Myles', antrum, 3 sizes	each	75
C-3610	Myles', exploring		1 50

DRAINAGE TUBES.

C-3615	Frontal Sinus		1 50
C-3620	Hardie's, silver, with shut off plug		1 50
C-3625	Hovell's, silver		1 00
C-3630	Ingals', soft rubber, 3 sizes	each	25
C-3635	Lake's, silver		1 50
C-3640	Myles', soft rubber, 3 sizes	each	15
C-3645	Solenberger's, hard rubber		30
C-3650	Talbot's, hard rubber		30

NEEDLES.

C-3652	Fletcher's, antrum		1 25
C-3654	Killian's, right or left	each	1 25

PLUGS.

C-3655	Frontal Sinus		75
C-3660	Woake's, antrum, soft rubber, 6 sizes.....	each	15

SYRINGES.

C-3665	Antrum, for use with washing canulae.....		1 50
C-3670	Antrum, Abraham's, with steel trocar needle		3 50
C-3675	Antrum, Collins'		75
C-3680	Antrum, Fraenkel's, with steel trocar needle.....		2 50



C-3605



C-3602

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Nasal and Pharyngeal Illuminating Instruments

The illuminating instruments illustrated below are carefully and scientifically made, are all equipped with the Electro Surgical Instrument Co.'s improved cold lamp and are well adapted to the purposes for which they are made.



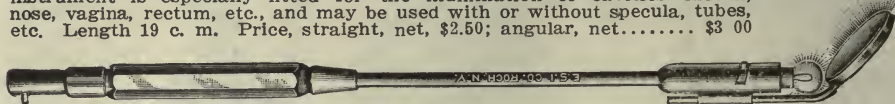
C-3682. D. BRAYDEN KYLE'S POST NASAL ILLUMINATOR.

The lamp is protected by a hood with a glass covered opening on its proximal side, thus permitting the concentrated light rays to fall only on the parts under immediate observation. With this instrument introduced through the mouth into the naso-pharynx, anterior rhinoscopy reveals the parts beautifully illuminated. Price, net..... \$3 50



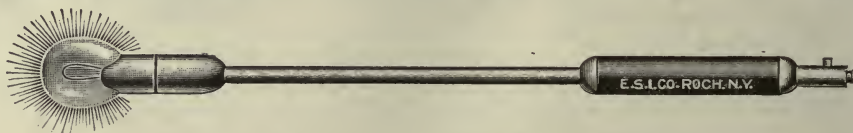
C-3684. THE E. S. I. CO. GENERAL DIAGNOSTIC ILLUMINATOR.

The lamp is lens tipped, throwing a brilliant cone of light directly forward and the instrument is especially fitted for the illumination of cavities—mouth, nose, vagina, rectum, etc., and may be used with or without specula, tubes, etc. Length 19 c. m. Price, straight, net, \$2.50; angular, net..... \$3 00



C-3686. THE E. S. I. CO. LARYNGOSCOPE AND MOUTH LAMP.

It is simple in construction and avoids all the annoyances pertaining to the use of the head mirror. The various mirrors are interchangeable. The shank on the mirrors being flattened prevents gyration. The mirror furnished is $\frac{3}{4}$ inch. Price, net, \$3 00. Mirror, 1 inch, extra, net..... \$0 80



C-3687. THE E. S. I. CO. ANTRUM ILLUMINATOR.

This instrument is furnished with a lamp having a capacity of either six or fifteen volts. The bulb is flat, about 6 m. m. thick and about 15 m. m. in diameter, its shape permitting it to lie close to the hard palate so that the full benefit of the light ray is obtained. The instrument should always be used in a dark room. Price, net.....\$3 00



C-3688. THE E. S. I. CO. FRONTAL SINUS ILLUMINATOR.

This instrument when pressed against the orbit just below the superciliary ridge, illuminates the sinus so satisfactorily as to be indispensable for accurate diagnosis. Furnished with six or fifteen volt lamp. To secure best results should be used in a darkened room. Price, net \$3 00



C-3689. CHEVALIER-JACKSON'S NASO PHARYNGEAL ILLUMINATOR.

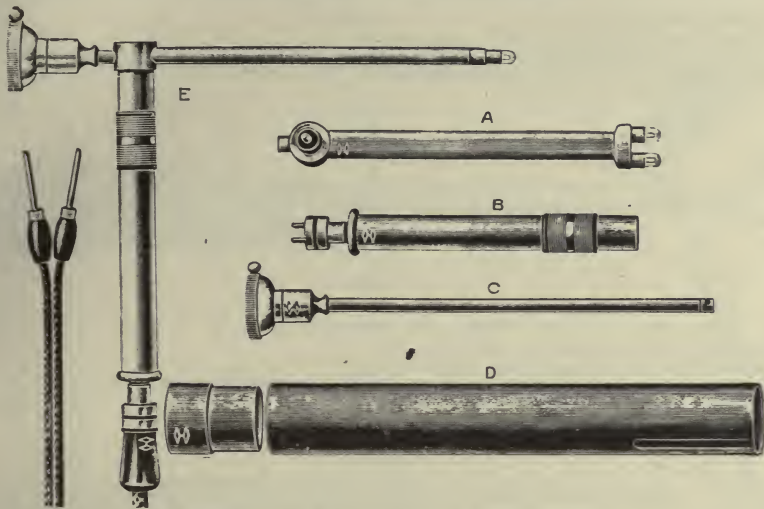
This instrument is used by its designer in opening the sphenoidal sinus. The lamp used is trans-illuminating and when inserted into the naso-pharynx, it shows distinctly the superior choanal margin on anterior rhinoscopy. One c. m. above this apparent margin the wall of the sphenoidal sinus may be entered with perfect safety. For best results use in a darkened room. Price, net..... \$4 00

Note.—In ordering any of the instruments listed above please state whether they are to be used with battery, wall plate, transformer or socket controller, so that we can equip them with lamps of the proper resistance.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

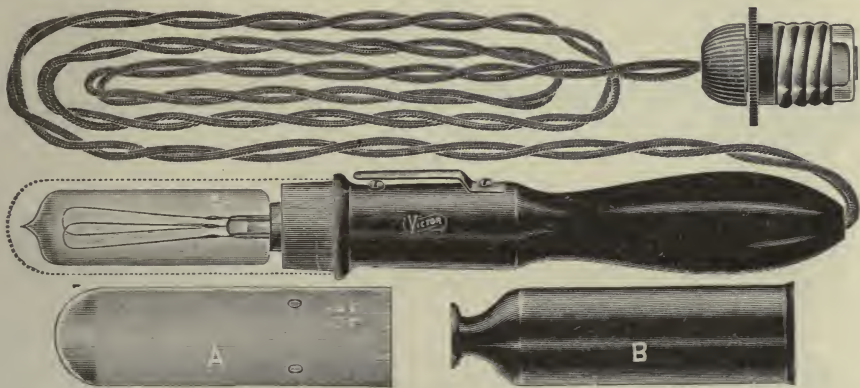
A discount of 5% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Nasal and Pharyngeal Illuminating Instruments



C-3691. THE HAY'S PHARYNGOSCOPE.

For the examination of the naso-pharynx—i. e., posterior nares, eustachian tubes and pharyngeal vault. The lenses used are of superior quality and give a most exact interpretation of the part in view. The instrument is simplicity itself. The pharyngoscope, cords, lamps, etc., are all carried in a small wooden box measuring $8\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$ inches. Send for special circular. Price, net.....\$30 00



C-3692. THE VICTOR TRANS-ILLUMINATOR.

The source of light is a long high candle power lamp, calculated to deliver a greater volume of light than is possible with the small trans-illuminators provided with miniature lamps. The greater volume of light is especially valuable in examinations of the antrum and frontal sinus. It is provided with a glass shield in order to insulate to a great extent the heat developed by the lamp bulb. This insulation permits the placing of the illuminator in direct contact with the mucous surface for a few moments, without danger of burning. An oblique glass shield can be provided for trans-ocular illumination. Price, ready to attach to any electric lamp socket, net.....\$4 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 5% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Post Nasal Instruments



C-3715



C-3710



C-3725



C-3720



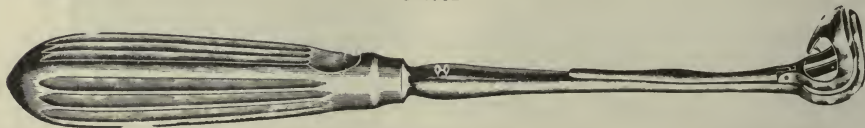
C-3734



C-3728



C-3732



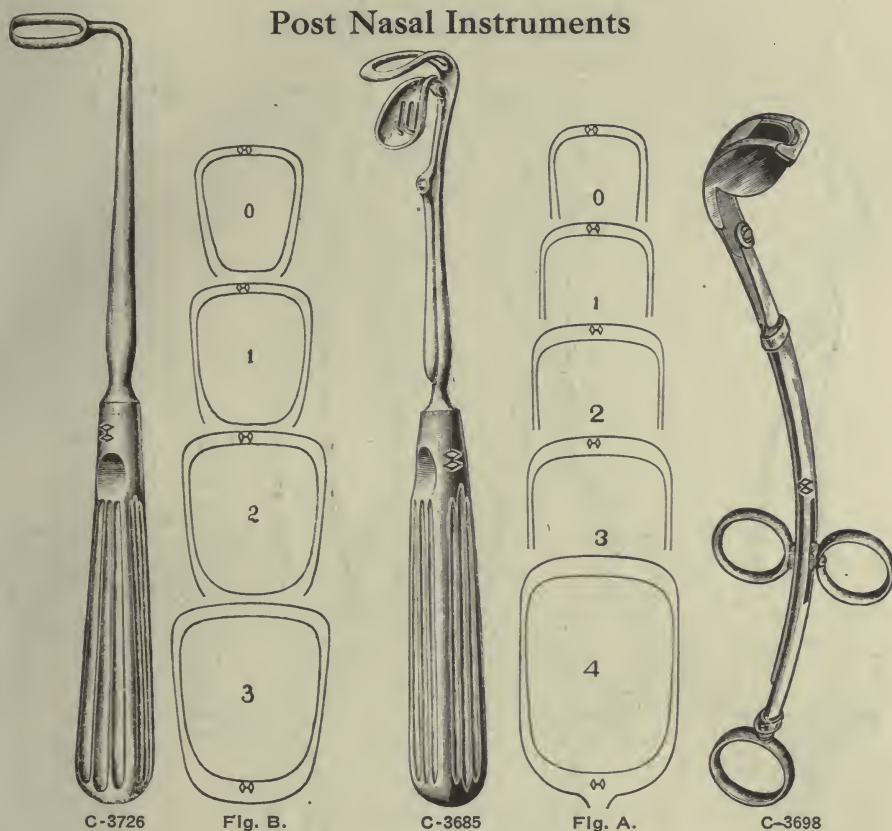
C-3693



C-3707

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Post Nasal Instruments



ADENOTOMES.

C-3693	Barnhill's	\$6 00
*C-3694	Beckman's	4 50
C-3685	Delstanche's, 3 sizes	each 4 50
*C-3690	Delstanche's, improved	5 00
*C-3695	Gradle's	12 00
C-3698	La Force's, 3 sizes	each 10 00
*C-3705	St. Clair Thompson's	5 50
C-3707	Todd's	6 00

ADENOID CURETTES.

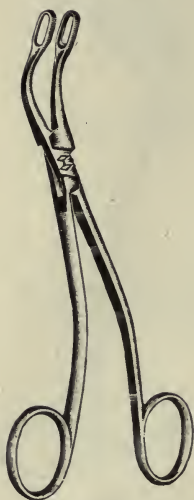
C-3710	Barnhill's, 5 sizes, see Fig. A.	each 2 50
C-3715	Beckmann's, 5 sizes	each 2 50
C-3720	De Roalde's, 3 sizes	each 2 75
C-3725	Gottstein's, 3 sizes	each 1 75
C-3726	Hartman's, 3 sizes	each 2 50
C-3728	Ingersoll's, 1 size	2 25
C-3730	Kirstein's, 3 sizes	each 2 00
C-3732	Stubb's, 4 sizes, 0 to 3, see Fig. B.	2 75
C-3734	Vogel's, for infants	2 25

Note.—Special small sizes of Barnhill's, Beckman's and Stubb's curettes can be made for infants.

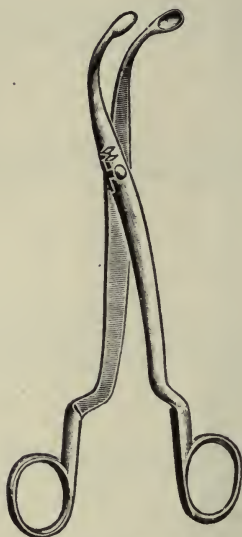
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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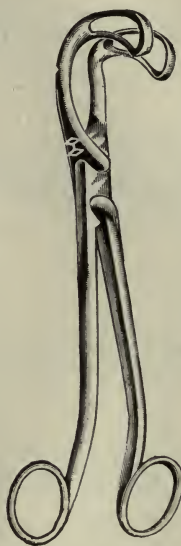
Post Nasal Instruments



C-3803



C-3780



C-3775



C-3800



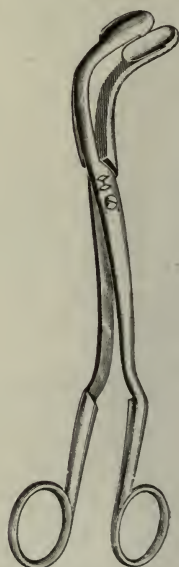
C-3802



C-3747



C-3770

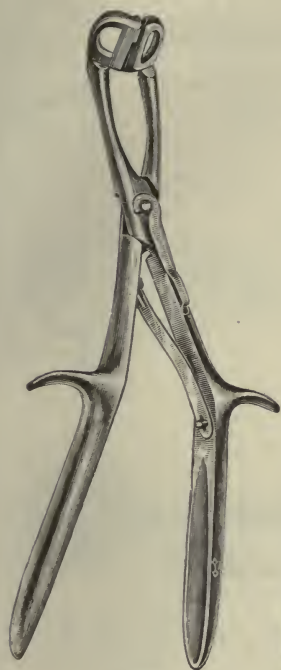


C-3795

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Post Nasal Instruments



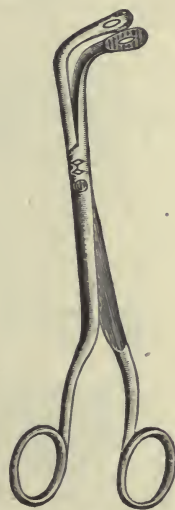
C-3785



C-3765



C-3804



C-3815

Adenoid Forceps

CUTTING FORCEPS.

*C-3740	Brandegees	.....	\$5 50
*C-3745	Casselberry's	.....	3 00
C-3747	Chatellier's	.....	3 50
C-3750	Cohen's, curette	.....	2 50
*C-3755	Curtis'	.....	3 00
*C-3760	Doyen's, 3 sizes	.....each	4 00
C-3765	French's, latest	.....	4 00
C-3770	Jurasz's, original pattern, 3 sizes	.....each	3 50
C-3775	Jurasz's, latest pattern, 2 sizes	.....each	3 50
C-3780	Lowenberg's, latest pattern	.....	3 00
C-3785	McAuliff's	.....	8 50
*C-3790	Meniere's	.....	3 50
C-3795	Prince's, latest pattern	.....	3 50
C-3800	Quinlan's	.....	3 50
C-3802	Ruault's	.....	4 00
C-3803	St. Clair Thompson's	.....	4 50
C-3804	Watson's	.....	4 50

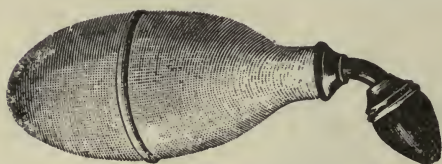
GRASPING FORCEPS.

*C-3805	Doyen's	.....	4 00
*C-3810	Kathl's	.....	3 00
C-3815	Wagner's	2 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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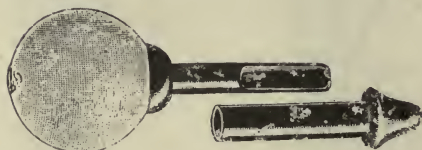
Nasal Instruments



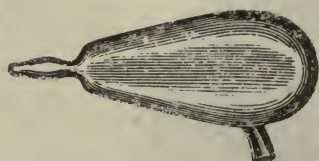
C-3820



C-3830



C-3825



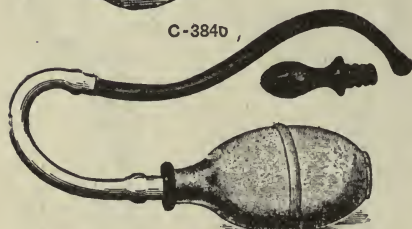
C-3870



C-3840



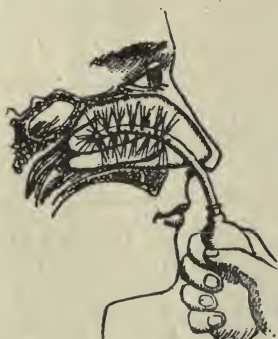
C-3875



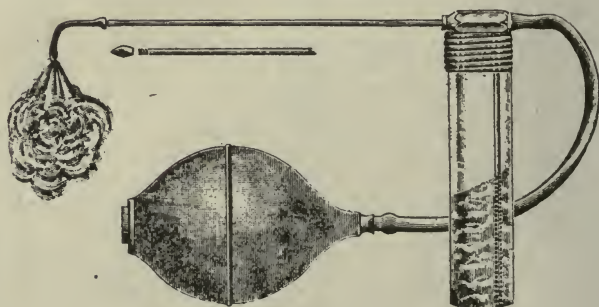
C-3850



C-3860



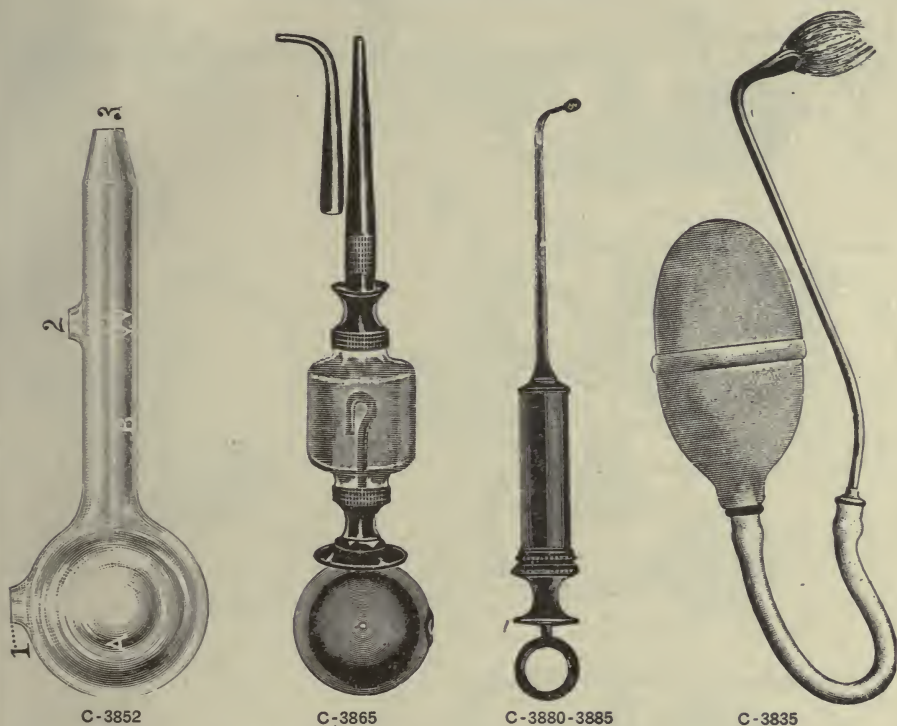
C-3845



C-3855

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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Nasal Instruments



DOUCHES, INSUFFLATORS, SYRINGES.

DOUCHES.

C-3820	Birmingham, glass	\$0 15
C-3825	Broich's, glass	20
C-3830	Gem, pocket	40
C-3835	Holmes', post nasal	1 00
C-3840	Pierce's, glass	25
C-3845	Success, with soft rubber perforated nasal tube	75
C-3850	Warner's, post nasal	60

INHALERS.

C-3852	Evans', pocket, glass	50
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INSUFFLATORS.

C-3855	Climax	1 50
C-3860	De Vilbiss'	1 00
C-3865	Fraenkel's, with glass reservoir	1 35
C-3870	Pocket, No. 4, hard rubber tube	50
C-3875	Scoop, hard rubber tube	60

SYRINGES.

C-3880	Catarrhal, hard rubber, $\frac{1}{2}$ oz.	1 00
C-3885	Catarrhal, hard rubber, 1 oz.	1 25
*C-3890	Cohen's, metal	2 50

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Atomizers and Nebulizers



C-3919



C-3924



C-3918



C-3917



C-3923



C-3916



C-3921



C-3939



C-3915



C-3922

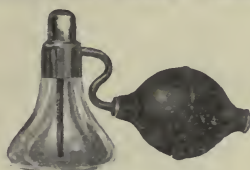
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Atomizers and Nebulizers



C-3927



C-3926



C-3933



C-3934



C-3932



C-3929



C-3931

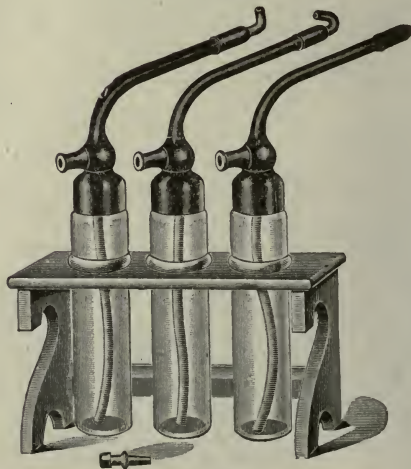
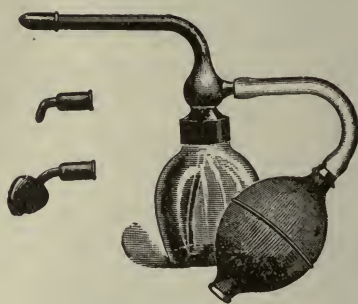
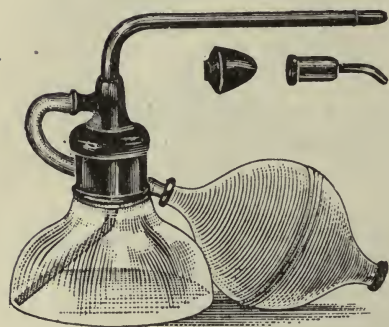
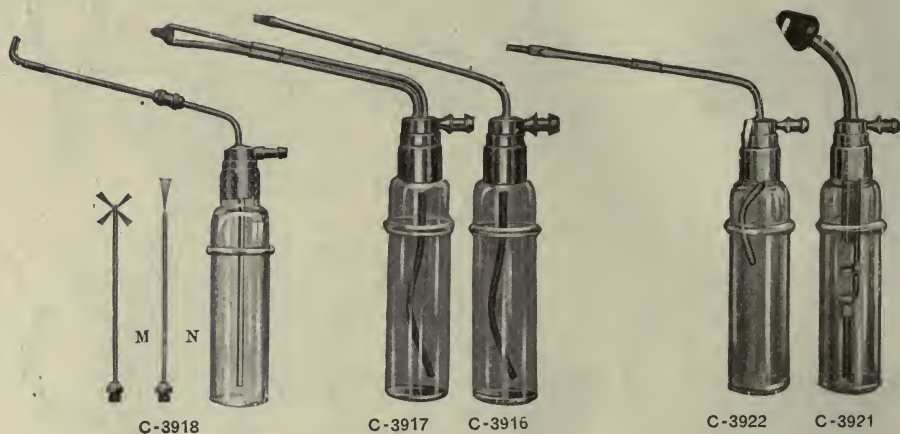
DE VILBISS HAND ATOMIZERS AND NEBULIZERS.

C-3915	De Vilbiss Atomizer No. 16	\$1 25
	It will spray any liquid, oil, aqueous or alcoholic solution, in any direction desired, from any bottle or open vessel, has two bottles, is provided with extra hard rubber fluid tube for spraying corrosive solutions.	
C-3916	De Vilbiss Invertible Atomizer No. 14.....	2 00
	This atomizer has all the qualities of the No. 16 and is so constructed that a quarter turn of a thumb nut closes air and fluid tubes, making it non-spillable.	
C-3917	De Vilbiss Atomizer No. 9, all metal	1 25
	Will throw a spray in any direction desired. Heavy oils and vaseline by heating; light oils and water solutions without.	
C-3918	New Improved De Vilbiss Atomizer No. 28	75
	Will spray any liquid, oil or aqueous solution. It is equipped regularly with a hard rubber fluid tube, but metal tube is supplied if desired.	
C-3919	De Vilbiss Atomizer No. 17	1 25
	The tube of this atomizer is only 1-16 of an inch in diameter and can be easily passed through the nares into the pharyngeal vault in the same manner as you would an Eustachian Catheter. One tip sprays in four directions, and the other throws a straight spray.	
C-3921	De Vilbiss Atomizer No. 23	65
	Throws a fine fluffy spray of either oil or water.	
C-3922	De Vilbiss Atomizer No. 27	75
	Has two tips; the tip with large hole for spraying oil, the tip with small hole for aqueous solutions.	
C-3923	De Vilbiss Atomizer No. 29, for oil or water	50
C-3924	De Vilbiss Atomizer No. 68, without bulb	1 00
	Sprays from any bottle or open vessel, and can be conveniently carried in bag or pocket.	
C-3926	De Vilbiss Nasal Atomizer, No. 20	50
	Will spray oil or water. Has slip cap for bottle.	
C-3927	De Vilbiss Nasal Atomizer, No. 21	60
	Will spray oil or water. Has screw top with solid head.	
C-3929	De Vilbiss Nebulizer No. 49	1 25
	Will throw a perfectly dry or moist vapor at the will of the operator by the adjustment of a small table attached to the tube within the bottle.	
C-3931	De Vilbiss Nebulizer No. 45	1 50
	Similar to the No. 49 with a larger bottle of different design.	
C-3932	De Vilbiss Nebulizer No. 41, has no regulating table	1 00
C-3933	De Vilbiss Single Nebulizing Tube for Atomizers No. 20 and 21.....	15
C-3934	De Vilbiss Double Nebulizing Tube for any nebulizer	25
*C-3937	De Vilbiss Powder Blower No. 32, single tube	50
*C-3938	De Vilbiss Powder Blower No. 36	1 00
	Will diffuse powder perfectly in any desired direction.	
C-3939	De Vilbiss Powder Blower No. 34	1 25
	Will diffuse powder perfectly in any direction. Has long extension tip for ear work which may be removed when not wanted.	

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Atomizers and Nebulizers



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Atomizers and Nebulizers



HAND ATOMIZERS.

C-3895	Hard Rubber, with 3 detachable tips	\$1 25
*C-3900	Hard Rubber, with straight tip only	50
C-3910	Hard Rubber, Davidson's, with 3 platinum lined tips	1 75

ATOMIZERS, NEBULIZERS, ETC., FOR USE WITH COMPRESSED AIR.

C-3905	Davidson's Atomizer No. 10, set of 3 tubes, with stand.....	2 50
C-3916	De Vilbiss Atomizer No. 52	1 00
	Sprays any liquid, oil, aqueous or alcoholic in any direction desired.	
C-3917	De Vilbiss Atomizer, No. 53	1 00
	Same as No. 52, except that it will spray in any direction laterally.	
C-3918	De Vilbiss Atomizer No. 56	1 50
	Furnished with post nasal M and N tips, works similar to the De Vilbiss Atomizer No. 17.	
C-3919	De Vilbiss Atomizer No. 58	1 00
	Will throw a fine spray of any liquid, either oil or aqueous. Is particularly desirable for spraying expensive solutions.	
C-3921	De Vilbiss Nebulizer No. 80	1 00
	For oil only and produces a spray with regulating table as in De Vilbiss Nebulizer No. 49.	
C-3922	De Vilbiss Powder Blower No. 73	1 00
	Diffuses powder perfectly in any desired direction, and is furnished with extension tip, which may be removed when desired.	
C-3930	De Vilbiss Three Piece Set	3 00
	Includes No. 52 Atomizer, No. 80 Nebulizer and No. 73 Powder Blower, complete with nickel plated stand.	
*C-3935	De Vilbiss Four Piece Set	5 00
	Includes No. 52 and 56 Atomizers, No. 80 Nebulizer and No. 73 Powder Blower.	
C-3936	De Vilbiss-Pynchon Compressed Air Aspirator, complete	2 50
	A particularly useful instrument for the removal of blood and secretions from the ear, nose, pharynx or tonsils.	
C-3938	De Vilbiss Syringe No. 57, with tip for middle ear.....	1 00
	Frontal Sinus Tube, K, (silver), extra	1 00
	Antrum Tube, J, (silver), extra	1 00
	Washing Tube, I, extra	25

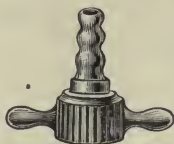
ELECTRICAL HEATERS.

C-3995	De Vilbiss Open Heater, for six or seven tubes.....	2 00
*C-4000	De Vilbiss Open Heater, for nine or ten tubes.....	3 00
C-4002	De Vilbiss Closed Heater, with six holes.....	4 00
*C-4003	De Vilbiss Wall Bracket, nickel plated, for closed heater.....	1 50
*C-4004	Electric Lamp, 4 c. p., with socket and 12 foot cord and plug for attaching.	1 40

Compressed Air Apparatus



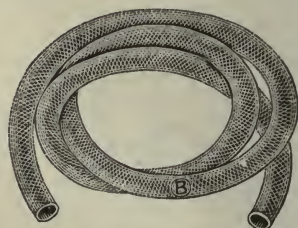
C-4175



C-4170



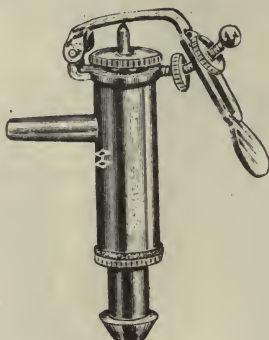
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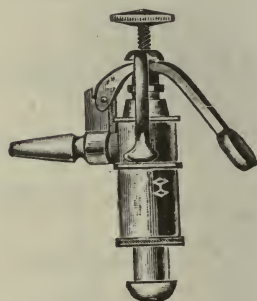
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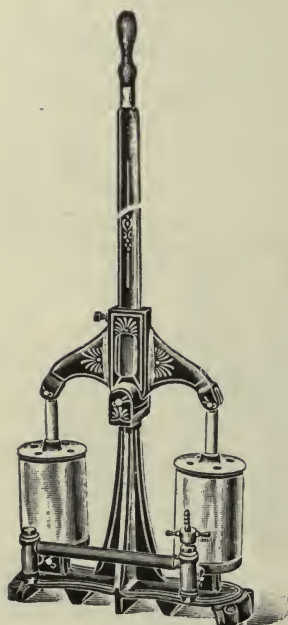
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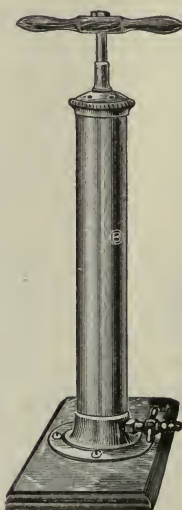
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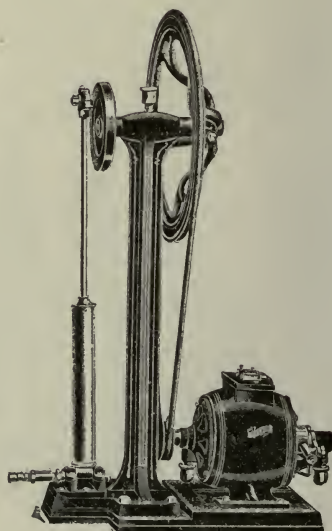
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C-4145



C-4150

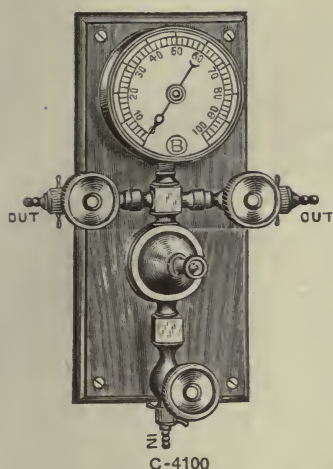


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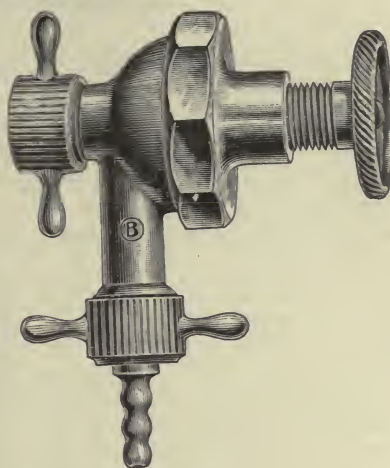
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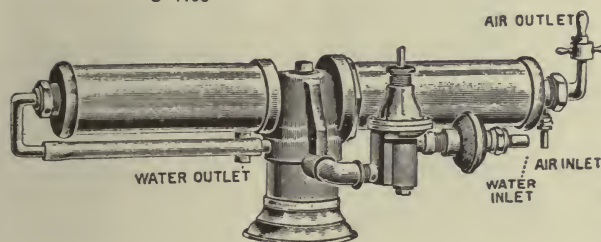
Compressed Air Apparatus



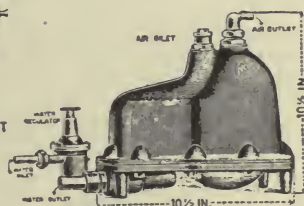
C-4100



C-4085



C-4135



C-4140

COMPRESSED AIR SUNDRIES.

C-4085	Air Regulating Valve, Boekel's, enabling the operator to reduce the initial pressure of air to any desired pressure	\$3 50
C-4090	Air Pressure Gage, 3 inches in diameter, nickel plated	4 50
*C-4095	Air Pressure Gage, 3 inches in diameter, with double cross cock, nickel plated	7 50
C-4100	Air Gage Board, Boekel's, with gage, 1 inlet and 2 outlet valves, 1 air regulator, mounted as shown	15 00
For use in physician's office. Especially adapted where air is kept under high pressure, the regulator allowing the same to be used at any desired pressure regardless of the pressure in the storage tank, by simply screwing the thumb nut in, to increase, or out, to decrease, as necessary, the gage showing the amount of pressure in use. Mounted on polished bevel-edge oak board.		
C-4102	Automatic Cut Off, Bishop's,	1 75
C-4105	Automatic Cut Off, Boekel's	1 25
*C-4115	Automatic Cut Off, Davidson's	1 00
C-4117	Automatic Cut Off, De Vilbiss'	1 00
*C-4122	Automatic Cut Off, Haslam's	1 00
C-4135	Air Pump, Eureka, hydraulic, compound	27 50
C-4140	Air Pump, Little Wonder, hydraulic, gives 1 lb. air pressure for each pound of water pressure up to 30 lbs., which is its full capacity.....	25 00
C-4145	Air Pump, double cylinder, lever handle	9 00
C-4150	Air Pump, T handle, 2 1/2 in. by 16 in., height 21 1/2 in.....	4 50
C-4180	Victor Air Compressor, wound for 110 or 220 volt current.....	55 00
*C-4185	Victor Air Compressor, wound for 110 volt current, consisting of pump as shown and 1/4 H. P. motor and rheostat	83 00
*C-4190	Victor Air Compressor, complete pump without motor	28 00
*C-4195	Victor Air Compressor, complete pump for alternating current of 7,200 alternations	55 00
*C-4200	Victor Air Compressor, complete pump for alternating current of 16,000 alternations	60 00
In ordering describe current. Send for descriptive circular.		
Note.—Compressors equipped with alternating current motors are not guaranteed to compress higher than 45 pounds.		
*C-4155	Tube Holder, Boekel's	35
C-4160	Silk covered rubber tubing, per foot	20
*C-4165	Linen lined rubber tubing, per foot	10
C-4170	Connectors	50
C-4175	Ferrules, brass, nickel plated	10

Compressed Air Apparatus

C-4205. COMPRESSED AIR OUTFIT.

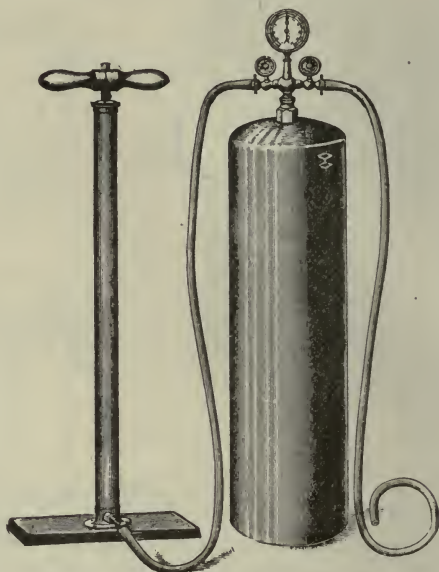
For physicians requiring only a limited quantity of compressed air we recommend out outfit Fig. 4205. It is very neat in appearance, is strongly made and is an ornament to any office.

The receiver is 7 inches in diameter by 28 inches high, made of heavy seamless steel tank; is equipped with air pressure gage registering 50 lbs., and cross cock with inlet and outlet valve.

Pump is of the regular T handle style, very powerful and mounted on broad wood base.

Automatic cut off, 4 feet silk covered rubber tubing, and set of 3 hard rubber atomizing tubes with rack.

Complete with tubes as shown in illustration.....\$25 00



C-4205

C-4210. COMPRESSED AIR OUTFIT.

This outfit consists of a seamless steel tank, 10x36 inches, tested up to 500 pounds air pressure, equipped with air pressure gage, cross cock with inlet and outlet valve, and finished in either aluminum bronze or nickel plate; T handle pump of the regular pattern, very powerful; 4 feet of silk covered tubing, 4 feet of linen lined rubber tubing, automatic cut off, and set of 3 hard rubber spray tubes.

Price in aluminum and bronze finish, pump and fittings nickel plated\$27 00

Price in all nickel plated finish. 30 00

If double cylinder, lever handle pump is wanted instead of the T. handle pump described, add \$5.00 to the price of apparatus as listed.



C-4210

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Compressed Air Apparatus

C-4215. COMPRESSED AIR OUTFIT.

This outfit consists of a T handle pump, receiver, set of 3 hard rubber atomizing tubes, 4 feet silk tubing with automatic cut off, 4 feet of linen lined rubber tubing leading from pump to receiver.

Receiver is made of brass, with dome riveted and sweated on, bottom of tank sweated on, equipped with air pressure gage, inlet and outlet valve, and air regulating valve from receiver to outlet. Tested up to 100 lbs. air pressure, gage reading to 50 lbs. Receiver and fittings highly polished and nickel plated.

The pump is of the regular T handle style of the best make and fully guaranteed.

For a physician whose practice requires only a limited amount of compressed air, we can heartily recommend this apparatus.

Price, complete as described\$25 00



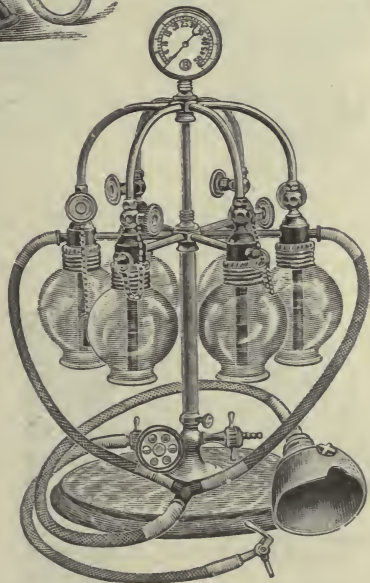
C-4215

C-4220. BOEKEL'S NEBULIZER.

The points of advantage of Boekel's Nebulizer are: First, simplicity of design, the ease of manipulation, the absence of complicated parts, which permit the accumulation of dirt or oily deposits that prevent the proper working of the apparatus. Another feature claimed by us, which should be one of the main essentials of all nebulizers is the absolute isolation of one chamber from the other and the air-tight closing of the medicine bottle when not in use. Should the necessity arise for the use of two or more solutions in various bottles, this may be accomplished by appropriate tube connection furnished with each apparatus. Can be set on table or bracket.

Pricenet \$32 00

Note.—Nickel plated brackets for attaching to wall can be furnished at an additional cost of net \$3.00.



C-4220

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Brackets and Illuminating Apparatus



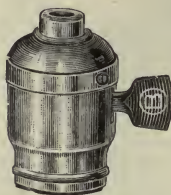
C-4275



C-4325



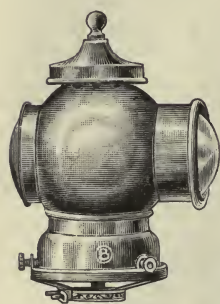
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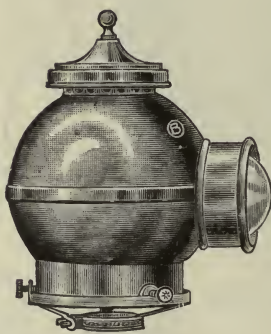
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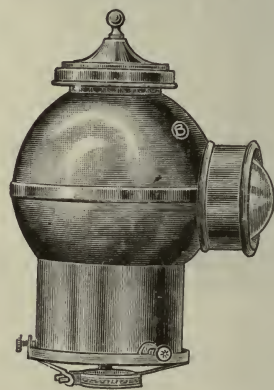
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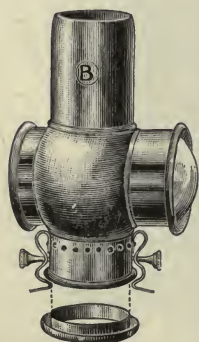
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C-4302



C-4303



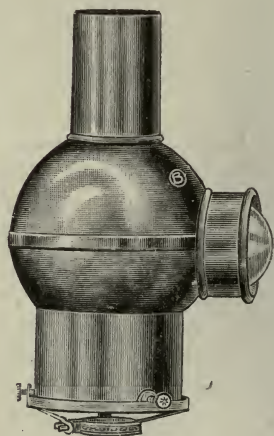
C-4305



C-4280



C-4295

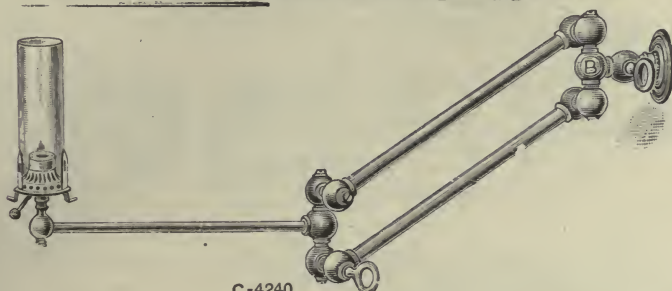


C-4315

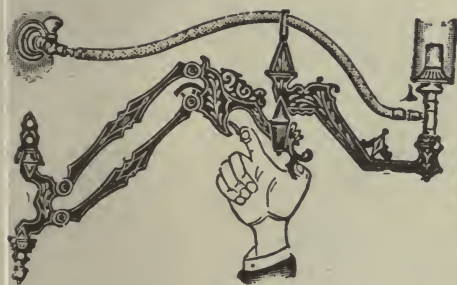
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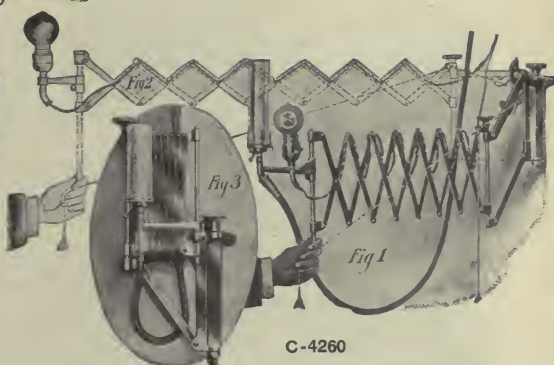
Brackets and Illuminating Apparatus



C-4240



C-4265



C-4260

C-4240	Extension Bracket, adjustable, extreme length 22 inches, complete with Argand burner and chimney, polished brass, nickel plated	\$6 50
*C-4245	Extension Bracket, adjustable, single arm, complete with Argand burner and chimney, polished brass, nickel plated	7 00
*C-4250	Extension Bracket, Allison's, when closed it fits closely to the wall, and can be extended 6½ feet. It can be raised and lowered in all 22 inches, for gas with Argand burner, chimney and tubing.....	8 50
*C-4255	Extension Bracket, Allison's, same as C-4250, but fitted for electric light, with 16 or 24 C. P. stereopticon lamp and Converse swivel socket.....	9 50
C-4260	Extension Bracket, Allison's, for both gas and electric light, with all attachments described above	12 00
C-4265	Extension Bracket, Chicago, japanned iron, complete with Argand burner and tubing	2 25
*C-4270	Extension Bracket, Chicago, japanned iron, for oil lamp. No lamp furnished	1 75
C-4275	Extension Bracket, stationary, for use with McKenzie condenser.....	2 50
C-4280	Chimney, asbestos, plain, for student lamp or Argand burner.....	50
*C-4285	Chimney, asbestos, with metal ring having 3 different sized openings.....	1 50
*C-4290	Chimney, asbestos, with regulating metal iris diaphragm	2 50
C-4295	Chimney, glass, Argand burner	10
*C-4300	Chimney, glass, student lamp	15
C-4301	Condenser, Boekel's, improved electric, well adapted when condenser is suspended from bracket	6 00
C-4302	Condenser, Boekel's, improved electric, made for 50 C. P. Edison stereopticon lamp	6 75
C-4303	Condenser, Boekel's, improved electric, extra large size	6 75
C-4305	Condenser, McKenzie's, for Argand burner or student lamp	3 50
*C-4310	Condenser, McKenzie's, for electric lamp	6 50
C-4315	Condenser, McKenzie's, extra large, for 50 C. P. electric lamp	6 00
*C-4320	Perfection Student lamp, with glass oil reservoir, the one thing needed to make the absolutely perfect lamp. It is the largest and heaviest made, the least liable to get out of order and is guaranteed not to leak.....	5 50

FITTINGS.

C-4325	Argand burner, nickel plated	50
C-4330	Electric Lamp, socket connector	25
C-4335	Electric Lamp Socket	25
*C-4340	Gas Tubing, 6 feet with metal fittings	60
*C-4345	Gas Tubing, 8 feet with metal fittings	75
*C-4350	Goose Neck, metal	35
C-4355	Ring Fitting A, for student lamp	25
C-4360	Ring Fitting B, for Argand burner	25
C-4365	Ring Fitting C, for Welsbach burner	25
C-4370	Ring Fitting D, for electric burner	25
C-4375	Ring Fitting E, for electric burner	25

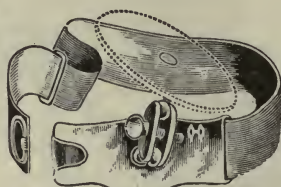
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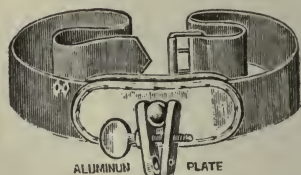
Head Bands and Mirrors



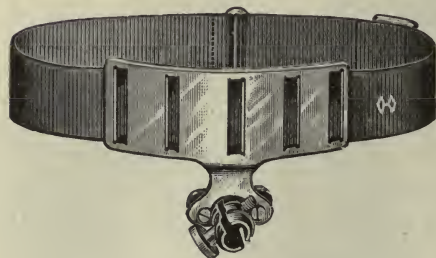
C-4410



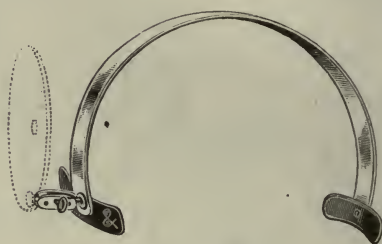
C-4400



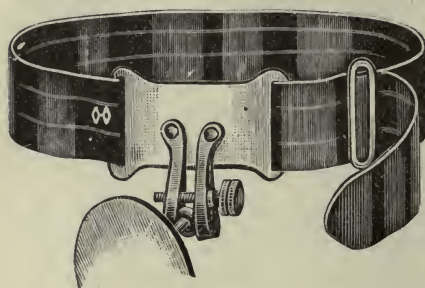
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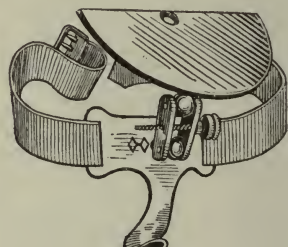
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C-4442



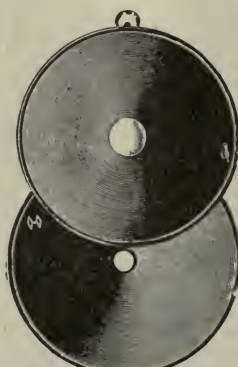
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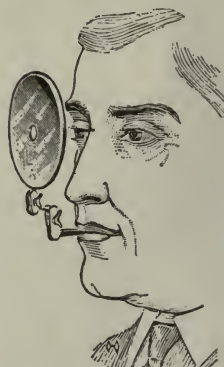
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C-4394-4397



C-4455-4462

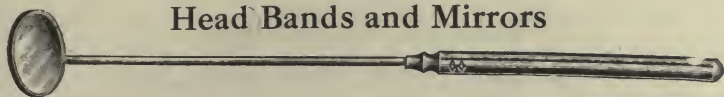


C-4452

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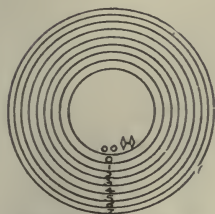
Head Bands and Mirrors



C-4465-4472



C-4464-4470



Laryngeal Mirror Sizes.



C-4475



C-4482

HEAD BANDS.

C-4380	Bosworth's	\$0 75
*C-4392	Fox's, spectacle frame	5 00
*C-4393	Frankel's, without mirror	2 25
C-4394	Frankel's, with head mirror, aluminum back, 3 inch	4 50
*C-4396	French's, aluminum plate, leather band, non-puncturing buckle	1 25
C-4397	Frankel's, with head mirror, aluminum back, 4 inch	5 00
*C-4396	French's, aluminum plate, leather band, non-puncturing buckle	1 25
C-4395	French's, aluminum plate, silk band	1 00
C-4400	Gleason's, with leather strap	1 00
C-4405	Haslam's, with nose rest	1 25
C-4410	Ivan's	1 25
*C-4435	Pyncheon's, metal front plate, hard rubber back	1 25
C-4440	Schroetter's, B and L pattern	1 25
C-4442	Worrell's, steel spring	1 00
*C-4443	Worrell's, steel spring, folding	1 50
*C-4444	Worrell's, steel spring, with extra cross spring	1 50
C-4452	Mirror Holder, hard rubber, to be held by the teeth, with 3½ in. mirror, having aluminum back	5 00

MIRRORS.

C-4455	Head, regular pattern, 2½ in., \$1.15; 3 in., \$1.25; 3½ in., \$1.50; 4 in.	1 75
C-4460	Head, regular, aluminum back, 2½ in., \$1.75; 3 in., \$2.00; 3½ in., \$2.25; 4 in.	2 50
C-4462	Head, Frankel's, aluminum back, with protector, 3 in., \$2.25; 3½ in., \$2.50; 4 in.	2 75

These mirrors can be furnished with 7, 10 and 12 m. m. openings.

C-4464	Laryngeal, regular, no handle, sizes 00 to 7	35
C-4465	Laryngeal, regular, with metal handle, sizes 00 to 7	45
C-4470	Laryngeal, boilable, extra thin, nickel back, no handle, sizes 00 to 7	50
C-4472	Laryngeal, boilable, extra thin, nickel back, with handle, sizes 00 to 7	60

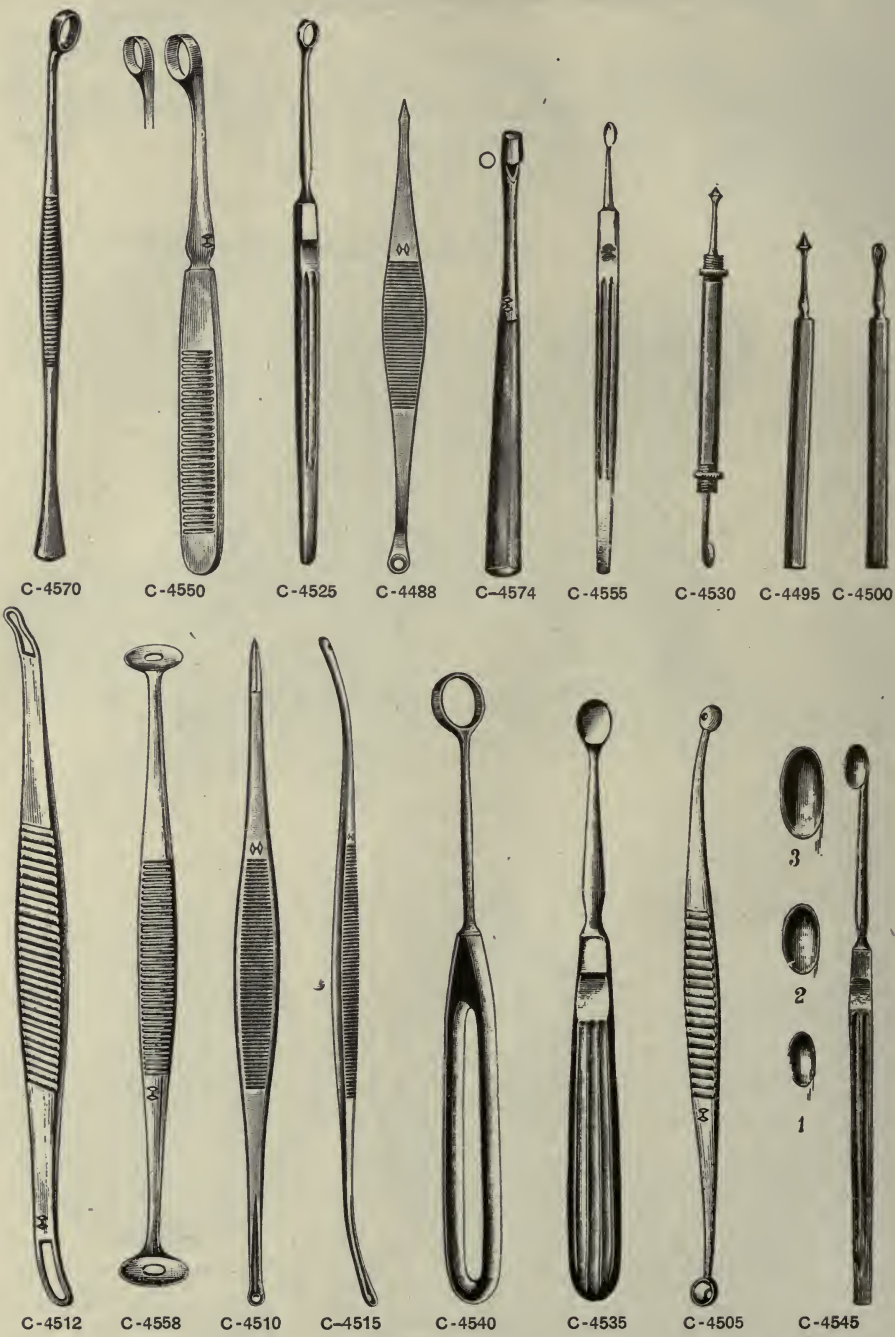
The boilable mirrors have extra thin pure nickel back and can be rendered thoroughly sterile. They are more than worth the difference in price.

C-4475	Mirror Handle, metal, with set screw	25
*C-4480	Mirror Protector, aluminum, 3 in., .25; 3½ in., .30; 4 in.	35
C-4482	Laryngoscopic Set No. 5	8 00

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Dermal Instruments

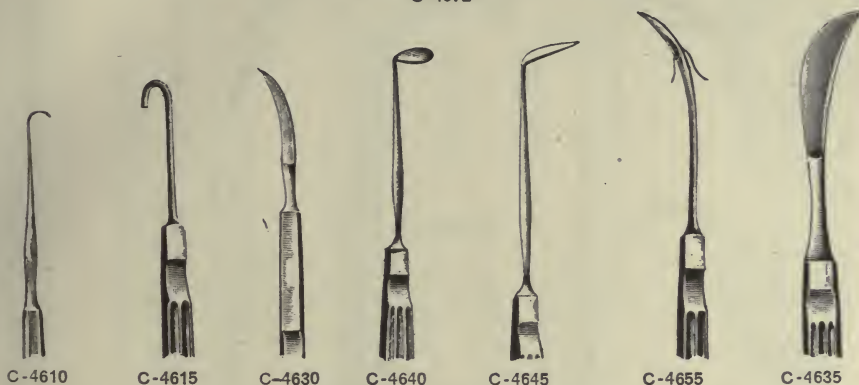


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Dermal and Staphylorraphy Instruments



C-4572



C-4610

C-4615

C-4630

C-4640

C-4645

C-4655

C-4635



C-4628

COMEDO EXTRACTORS.

C-4488	Douglass'	.....	\$0 50
*C-4490	Dusmenil's	.....	50
C-4495	Jackson's, acne lancet	.....	75
C-4500	Jackson's, comedo expressor	.....	75
C-4505	Martin's, double	.....	1 00
C-4510	Saalfeld's, with acne lancet	.....	1 25
C-4512	Schamberg's, illustration full size	.....	1 25
C-4515	Unna's, double	.....	75

DERMAL CURETTES.

*C-4520	Auspitz's	.....	2 00
C-4525	Fox's	.....	1 50
C-4530	Fox's, with acne lancet	.....	1 75
C-4535	Hebra's,	.....	1 50
C-4540	Jackson's	.....	1 50
C-4545	Lassar's, 3 sizes	.....	1 50
C-4550	Piffard's	.....	1 50
C-4555	Sangster's	.....	1 25
C-4558	Stelwagon's 2 sizes of long oval spoons	.....	2 00
*C-4560	Wolff's, light	.....	2 00
*C-4565	Wolff's, heavy	.....	2 00
C-4570	Wright's	1 00

PENCIL.

C-4572	Dermatograph, with metal protecting cap	15
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PUNCH.

C-4574	Keyes,' cutaneous, sizes 2 to 7 m. m.	1 50
	For eradicating powder marks, moles, etc.		

STAPHYLORRAPHY.

*C-4595	Forceps, plain, straight, seizing, 1 and 2 teeth, \$1.20; 3 and 4 teeth, \$1.50;		
	4 and 5 teeth	.....	1 75
*C-4600	Forceps, plain, curved, seizing, 1 and 2 teeth, \$1.35; 3 and 4 teeth, \$1.75;		
	4 and 5 teeth	.....	2 00
*C-4605	Forceps, Walcher's, for removing sutures	.....	4 00
C-4610	Hook, Langenbeck's, sharp	.....	1 25
C-4615	Hook, Updegraff's, blunt	.....	1 25
C-4628	Knife, Crile's	.....	1 75
C-4630	Knife, Updegraff's, curved, sharp	.....	1 75
C-4635	Knife, Whitehead's, gum	.....	1 25
C-4640	Knife, Whitehead's, hoe shape	.....	1 25
C-4645	Knife, paring	.....	1 25
C-4655	Needle, Updegraff's, curved	.....	1 25
*C-4665	Needle, Whitehead's, spiral	.....	1 25
*C-4660	Needle, Updegraff's, full curved	1 25
*C-4685	Retractor, Luer's, cheek	1 50

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Staphylorrhaphy



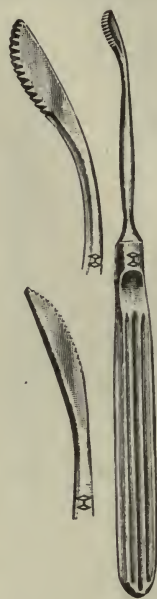
C-4580



C-4675



C-4670



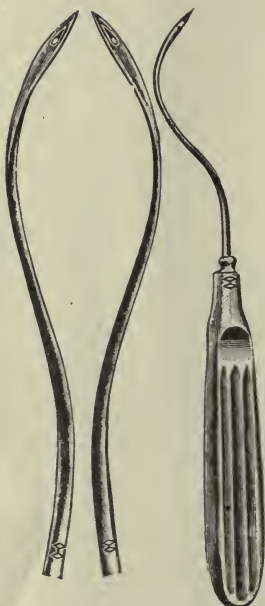
C-4684



C-4576



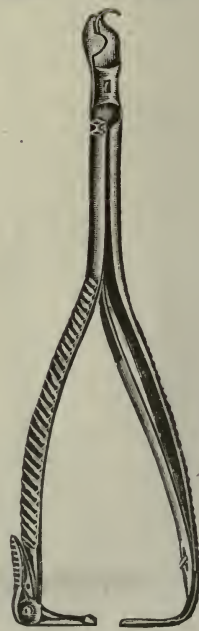
C-4582



C-4650



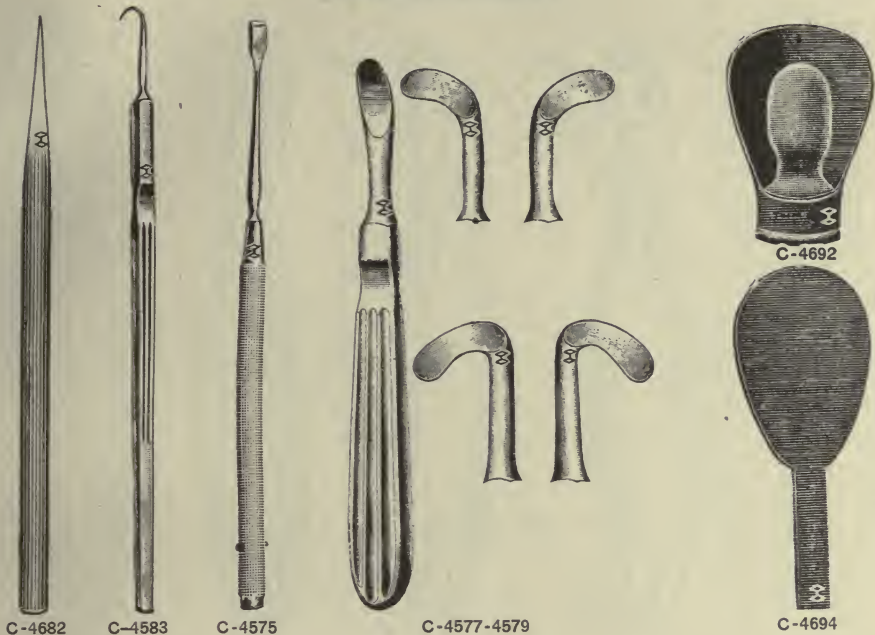
C-4652



C-4654

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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Staphylorrhaphy



STAPHYLORRHAPHY INSTRUMENTS

As Suggested by Dr. Truman Brophy.

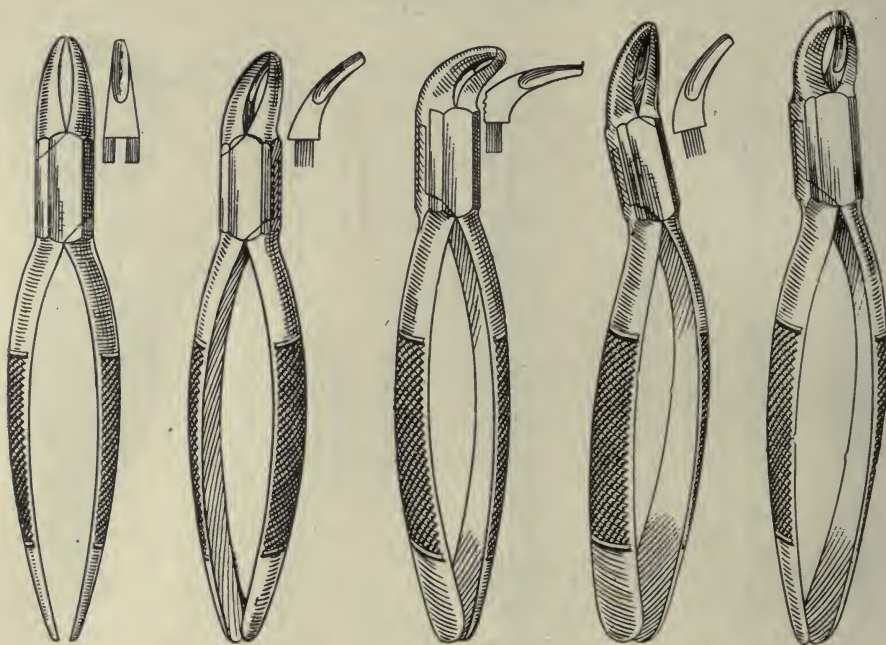
C-4575	Chisel, long, narrow	\$1 25
C-4576	Elevator, with raspatory	1 00
C-4577	Elevator, Trelat's, slightly curved on flat	1 50
C-4578	Elevator, Trelat's, slightly curved, angular, right or left.....each	1 50
C-4579	Elevator, Trelat's, slightly curved downward, right or left.....each	1 50
C-4580	Forceps, tissue, curved	2 00
*C-4581	Forceps, tongue, London pattern	2 00
C-4582	Forceps, wire twisting	2 50
C-4583	Hook, ligature	1 25
*C-4625	Knife, straight, with long shank	1 50
C-4650	Needles, bone, right and left	1 75
C-4652	Needles, Deschamp's, right and left	1 50
C-4654	Needle Holder, Brophy's	5 00
C-4670	Pereosteotome, right angle, narrow and wide	1 50
C-4675	Pereosteotome, acute angle, narrow and wide	1 50
*C-4681	Plates, lead, 2 thicknesses (operation requires six)	15
C-4682	Punch, for lead plates	75
C-4684	Scarifiers, right and left	1 75
*C-4686	Scissors, flat curved, long shanks	1 50
*C-4688	Scissors, wire cutting	2 25
C-4692	Shield, combined with nipple, to fit over nursing bottle	75
C-4694	Shield, breast, for cleft palate babies	50
*C-4695	Speculums, Brophy's, oval, set of 4 sizes, each \$1.75; set.....	6 00

Note.—Other articles needed, which will be found under the needles and sutures in Section B are as follows: $\frac{1}{2}$ oz. spool No. 8 White Braided Silk, 2 coils Silver Wire Nos. 20 and 22, 1 bottle horse hair suture, 12 round pointed needles and 12 full curved Hagedorn needles.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Dental Forceps



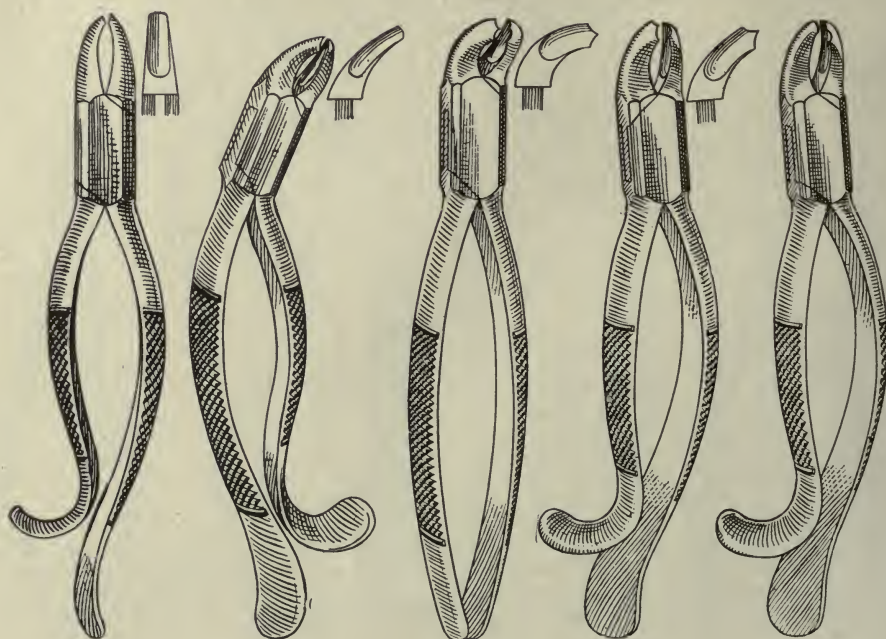
C-4710

C-4715

C-4720

C-4725

C-4735



C-4705

C-4700

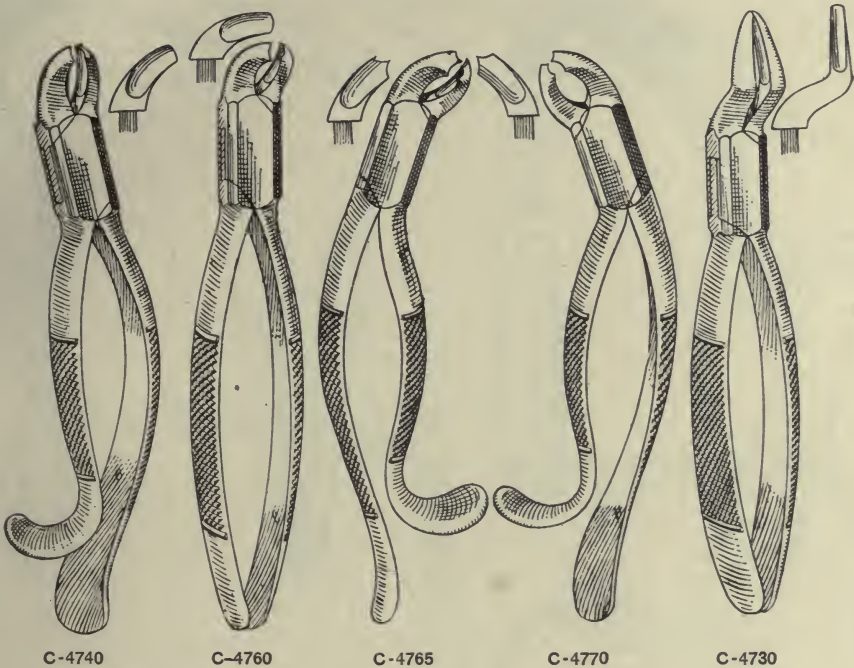
C-4755

C-4745

C-4750

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Dental Forceps



DENTAL FORCEPS.

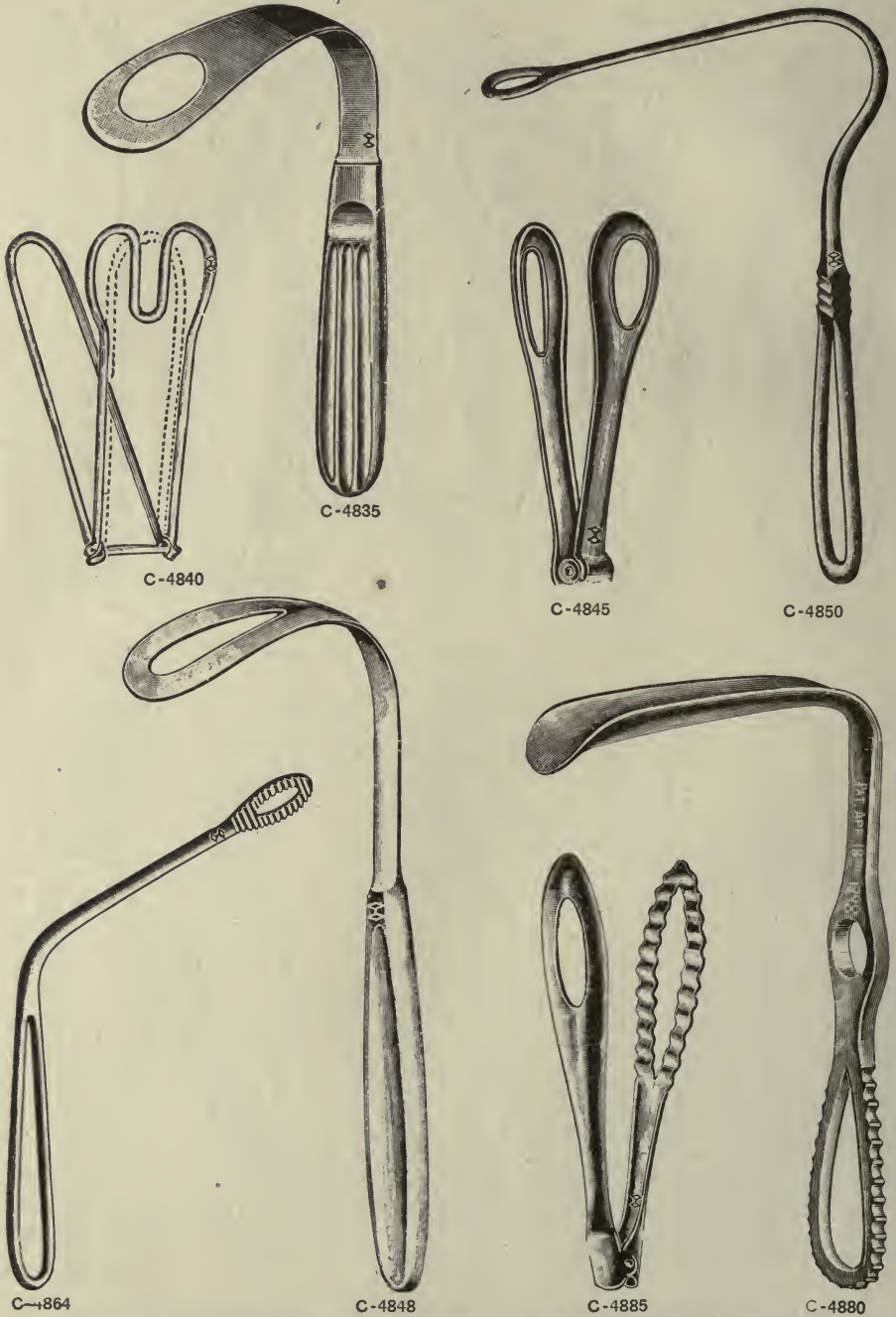
C-4700	Incisor Forceps, curved, lower	\$1 50
C-4705	Incisor Forceps, upper	1 50
C-4710	Root Forceps, straight	1 50
C-4715	Root Forceps, half curved, upper	1 50
C-4720	Root Forceps, full curved, lower	1 50
C-4725	Root Forceps, upper, universal	1 50
C-4730	Root Forceps, upper back, bayonet	1 50
C-4735	Molar Forceps, upper or universal	1 50
C-4740	Molar Forceps, upper or universal, curved handles	1 50
C-4745	Molar Forceps, upper, right	1 50
C-4750	Molar Forceps, upper, left	1 50
C-4755	Molar Forceps, lower, either side, beaked jaw	1 50
C-4760	Molar Forceps, lower, either side, plain jaw	1 50
C-4765	Molar Forceps, lower, right	1 50
C-4770	Molar Forceps, lower, left	1 50
*C-4775	Root Extractors or Elevators, ebony handle, 12 styles.....	each 1 00
*C-4780	Root Extractors or Elevators, metal handle, 12 styles.....	each 1 20

We list only those forceps in common use by physicians. We can supply any style of forceps made for dentists' use. When ordering any forcep not listed use the numbers of the S. S. White Dental Co.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Oral Instruments

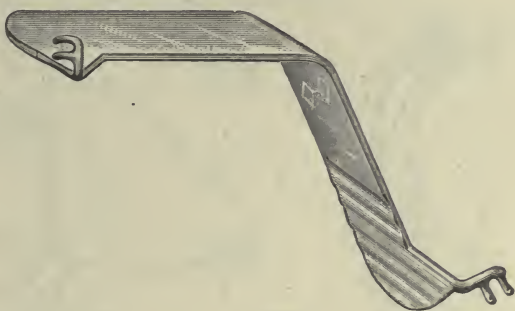


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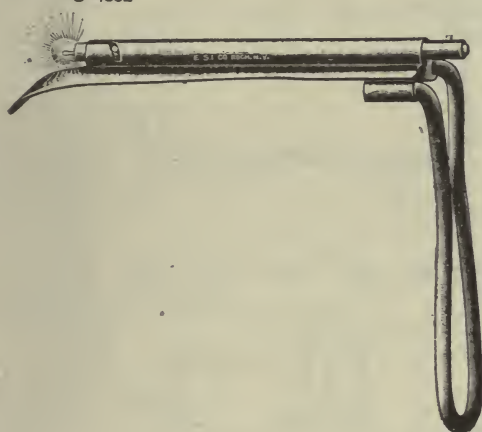
Tongue Depressors



C-4832



C-4834



C-4846



C-4866

* TONGUE DEPRESSORS.

C-4832	Andrew's, steel	\$1 25
C-4834	Bader's, with hooks to hold tonsil fauces	1 75
C-4835	Bosworth's	75
C-4840	Clayton's, folding	35
*C-4842	Dieckman's	75
C-4845	Double, fenestrated, folding	35
C-4846	Electro Surgical Inst. Co.'s complete with electric lamp	3 00
The lamp is on the very end of the instrument, thus bringing the source of light as near as possible to the field that is being examined. It throws a steady, white light, showing the tissues in their normal colors, as seen by sunlight.		
C-4848	Farlow's, of forged steel	90
C-4850	Frankel's	1 00
*C-4855	Glass	50
*C-4860	Haslam's, holder, for wood depressors	75
*C-4862	Layman's	1 35
C-4864	Pierce's, steel	1 25
*C-4865	Pyncheon's	85
*C-4866	Pyncheon-Andrew's, latest model	1 50
*C-4870	Sass', plain	1 50
*C-4875	Sass', fenestrated	1 75
C-4880	Sawyer's	1 50
C-4885	Snowden's, folding, nickel plated	75
C-4886	Snowden's, aluminum	75
*C-4890	White's, self retaining	1 25
C-4895	Wood Depressors, to fit Haslam handle, per box of 500	1 25

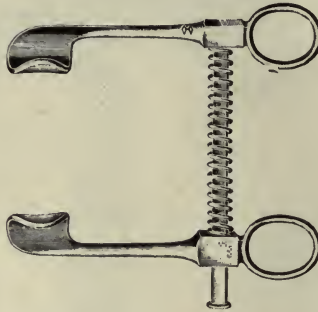
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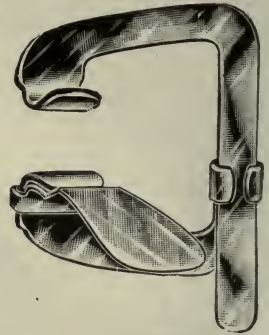
Oral Instruments



C-4790



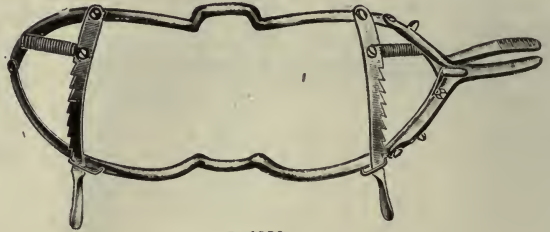
C-4824



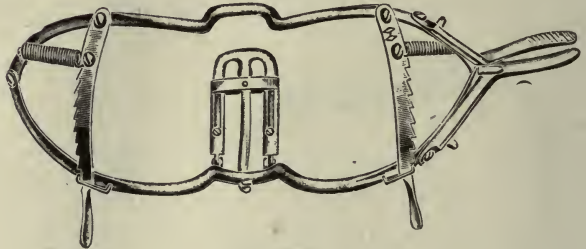
C-4822



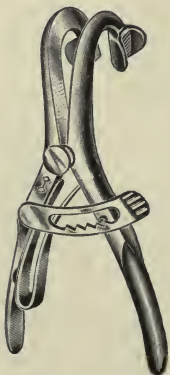
C-4786



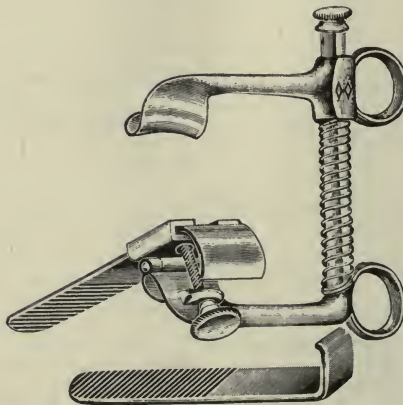
C-4830



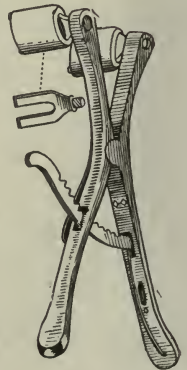
C-4832



C-4785



C-4782

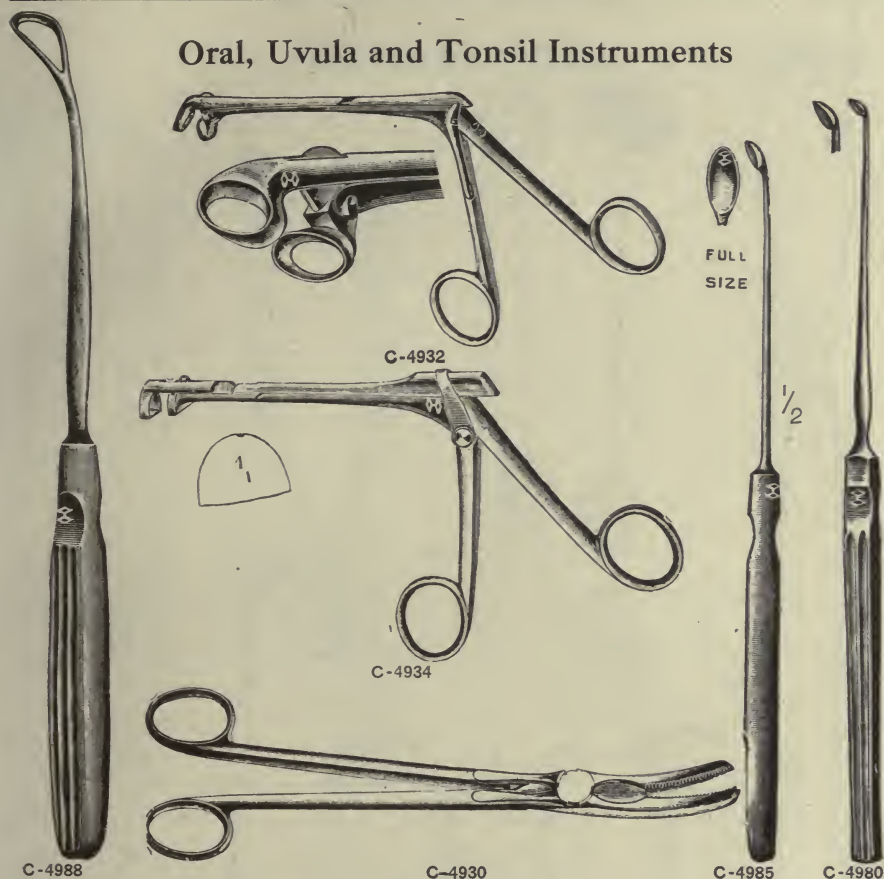


C-4795

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Oral, Uvula and Tonsil Instruments



MOUTH GAGS.

C-4782	Brandt's, with 2 sizes of tongue depressors	\$4 50
C-4785	Denhardt's, fine, all steel	2 50
C-4786	Denhardt's, plain	1 50
C-4790	Ferguson's	3 00
C-4795	French's	2 50
*C-4815	Murdock's	2 50
*C-4820	Pyncheon's, with rubber protected swivel mouth pieces	5 00
C-4822	Sparks', with 2 tongue depressors, one for adults and one for children	3 00
This instrument will meet all your requirements. It can be used with or without the tongue depressors. It is self retaining. It is self locking. It is guaranteed to be of the best case hardened steel. It has no set screws. It is readily cleaned and sterilized. It is perfectly comfortable to the patient and gives the operator the greatest view obtainable.		
C-4824	Stubbs'	2 50
C-4830	Whitehead's, plain, 2 sizes, adult's and child's	5 00
C-4832	Whitehead's, with tongue depressor, 2 sizes, adult's and child's	6 00

UVULA RETRACTORS.

*C-4900	Hind's	75
*C-4910	Roe's	75
*C-4915	Turk's	75
*C-4920	White's, self retaining	1 00

UVULA SCISSORS.

*C-4925	Plain, flat curved	1 75
C-4930	Wood's, flat curved, with claws	3 25

LINGUAL TONSIL PUNCHES.

C-4932	Citelli's	10 00
C-4934	Schmeden's	10 75

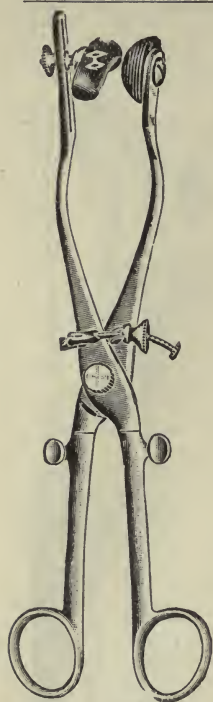
TONSIL CURETTES.

C-4980	Abraham's	1 50
C-4985	Meierhof's	1 50
C-4988	Wippert's, for lingual tonsil, 3 sizes	2 50

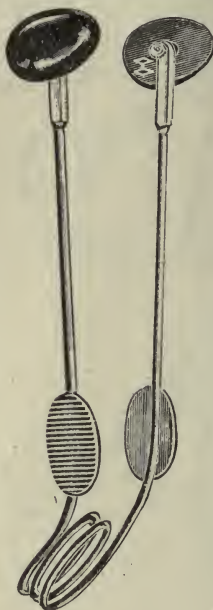
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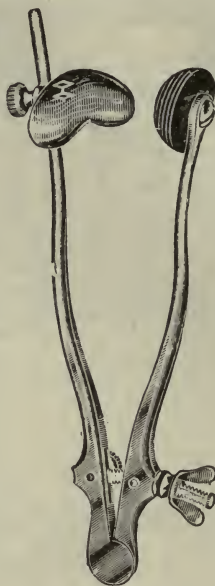
Tonsil Instruments



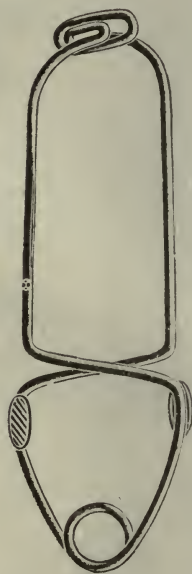
C-4975



C-4974



C-4973



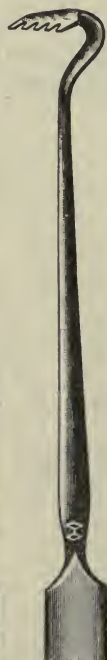
C-4972



C-5006



C-5012



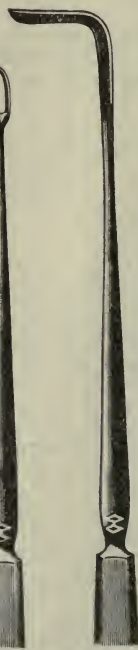
C-5008



C-5004



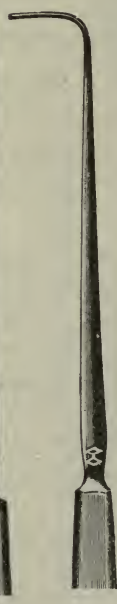
C-5015



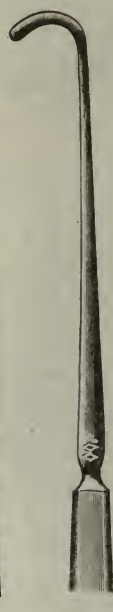
C-5025



C-5014



C-4989

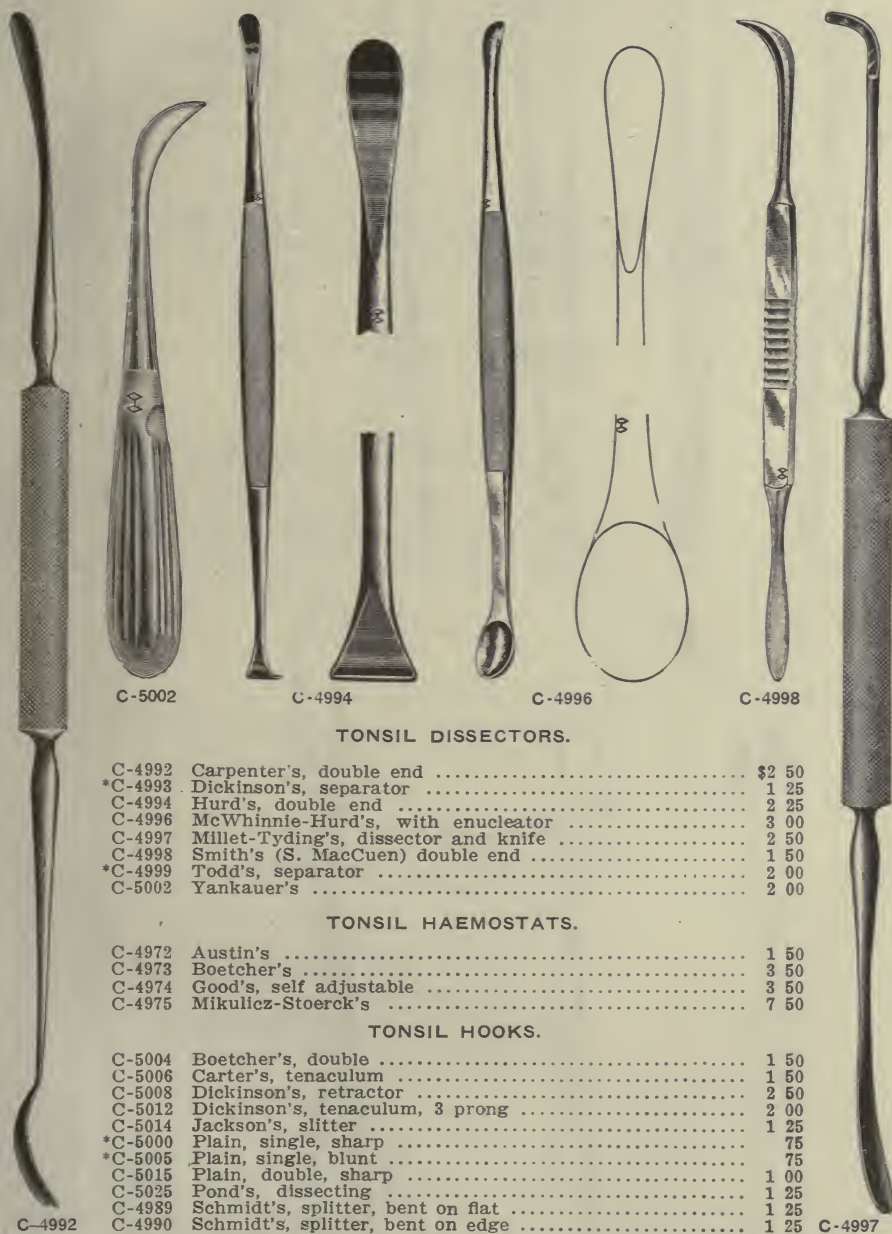


C-4990

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Tonsil Instruments



TONSIL DISSECTORS.

C-4992	Carpenter's, double end	\$2 50
*C-4993	Dickinson's, separator	1 25
C-4994	Hurd's, double end	2 25
C-4996	McWhinnie-Hurd's, with enucleator	3 00
C-4997	Millet-Tyding's, dissector and knife	2 50
C-4998	Smith's (S. MacCuen) double end	1 50
*C-4999	Todd's, separator	2 00
C-5002	Yankauer's	2 00

TONSIL HAEMOSTATS.

C-4972	Austin's	1 50
C-4973	Boetcher's	3 50
C-4974	Good's, self adjustable	3 50
C-4975	Mikulicz-Stoerck's	7 50

TONSIL HOOKS.

C-5004	Boetcher's, double	1 50
C-5006	Carter's, tenaculum	1 50
C-5008	Dickinson's, retractor	2 50
C-5012	Dickinson's, tenaculum, 3 prong	2 00
C-5014	Jackson's, slitter	1 25
*C-5000	Plain, single, sharp	75
*C-5005	Plain, single, blunt	75
C-5015	Plain, double, sharp	1 00
C-5025	Pond's, dissecting	1 25
C-4983	Schmidt's, splitter, bent on flat	1 25
C-4990	Schmidt's, splitter, bent on edge	1 25

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Tonsil Instruments



C-4966



C-4960



C-4965



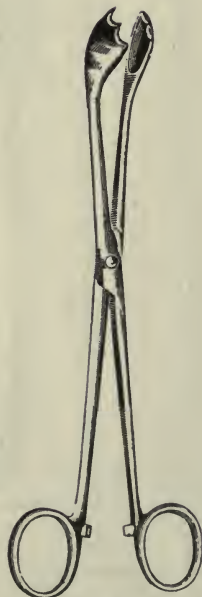
C-4962



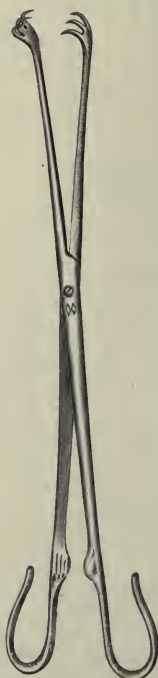
C-4952



C-4940



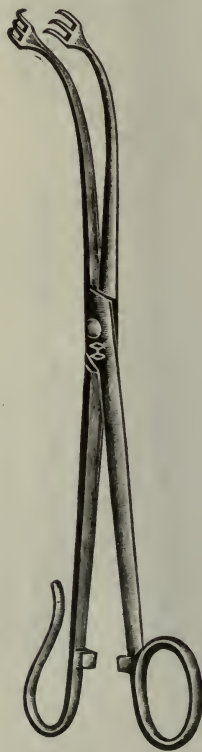
C-4950



C-4937



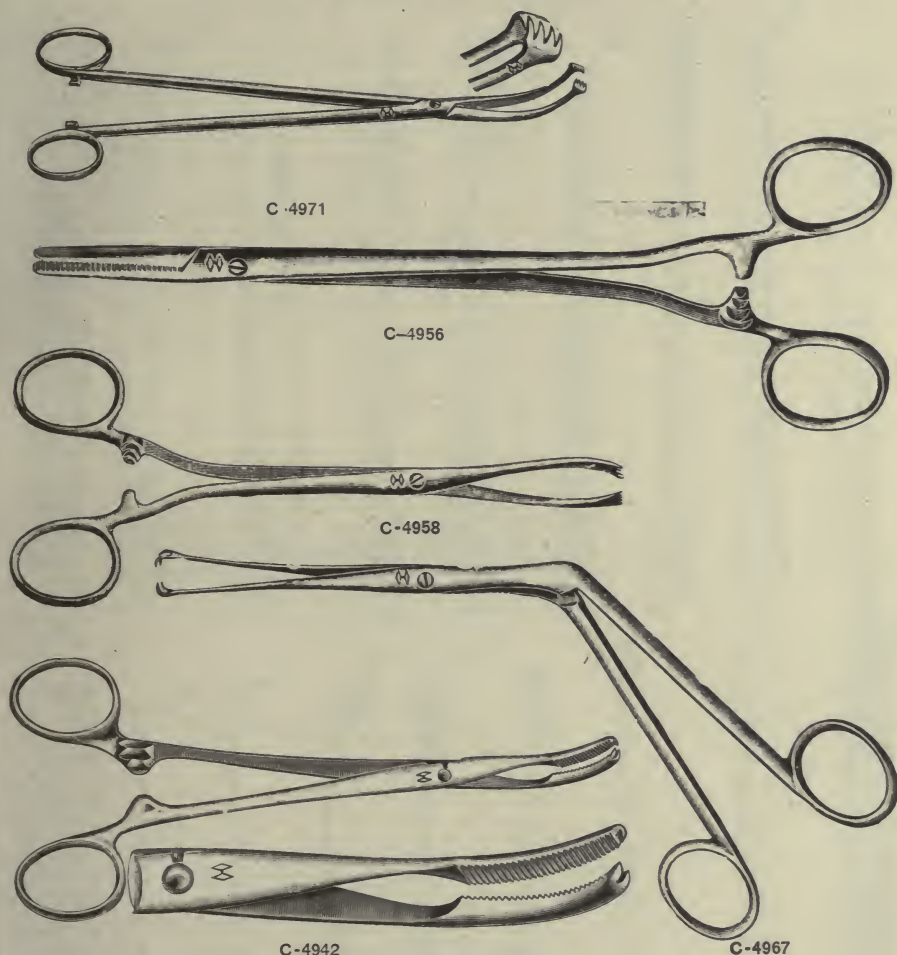
C-4936



C-4939

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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Tonsil Instruments



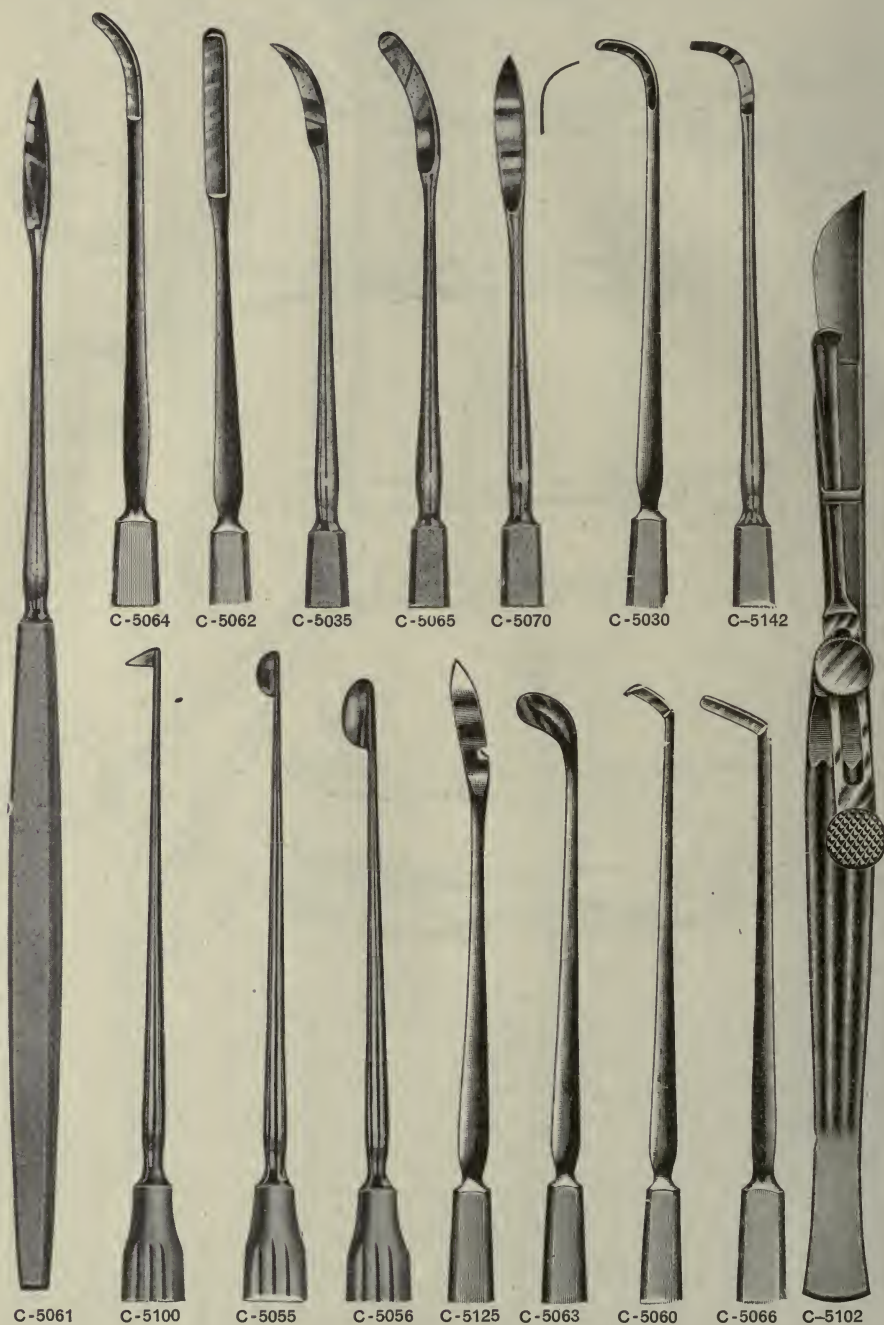
TONSIL FORCEPS.

*C-4935	Andrew's, regular, 2 closed rings	\$2 00
C-4936	Andrew's, latest, 1 open and 1 closed ring	2 25
C-4937	Andrew's, latest, 2 open rings	2 50
*C-4938	Ballenger's, regular, 2 closed rings	2 00
C-4939	Ballenger's, latest, 1 open and 1 closed ring	2 25
C-4942	Beck's, tonsil haemostat	1 50
C-4940	Burrow's, latest	2 50
*C-4945	Casselberry's	2 25
C-4950	Freer's, 2 sizes, small and large	each 2 50
C-4952	Hager's	2 25
*C-4954	Hatteroth's	2 50
C-4956	Jackson's, tonsil haemostat	2 00
C-4958	Pierce's, grasping	2 00
C-4960	Pyncheon's, latest	2 50
C-4962	Richard's	3 00
C-4965	Robertson's	2 75
*C-4970	Roser's	1 75
C-4966	Swan's	3 50
C-4967	Tyding's	2 00
*C-4963	Watson's, same as Tyding's, but heavier	2 00
*C-4969	Welty's	2 50
C-4971	White's	2 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

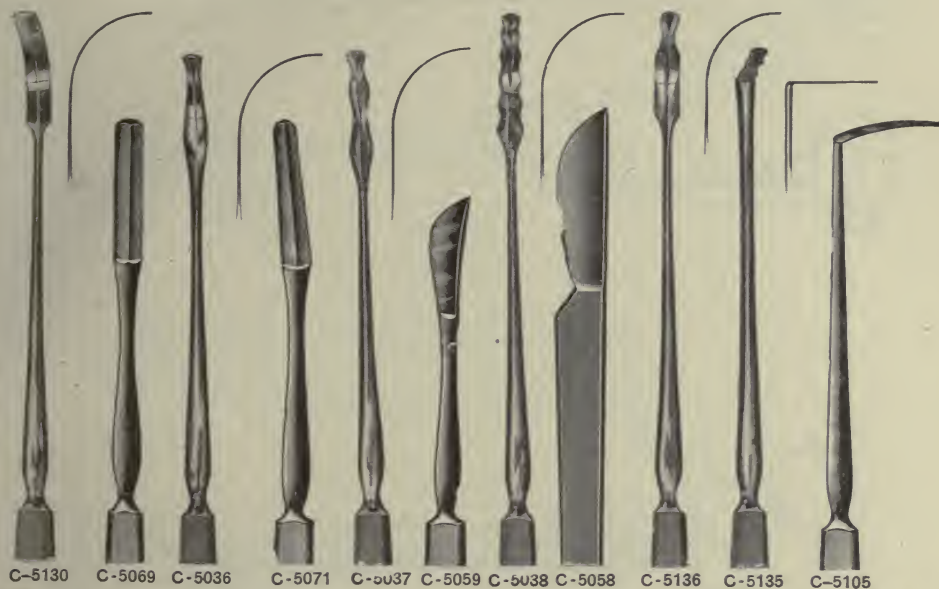
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Tonsil Instruments



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Tonsil Instruments

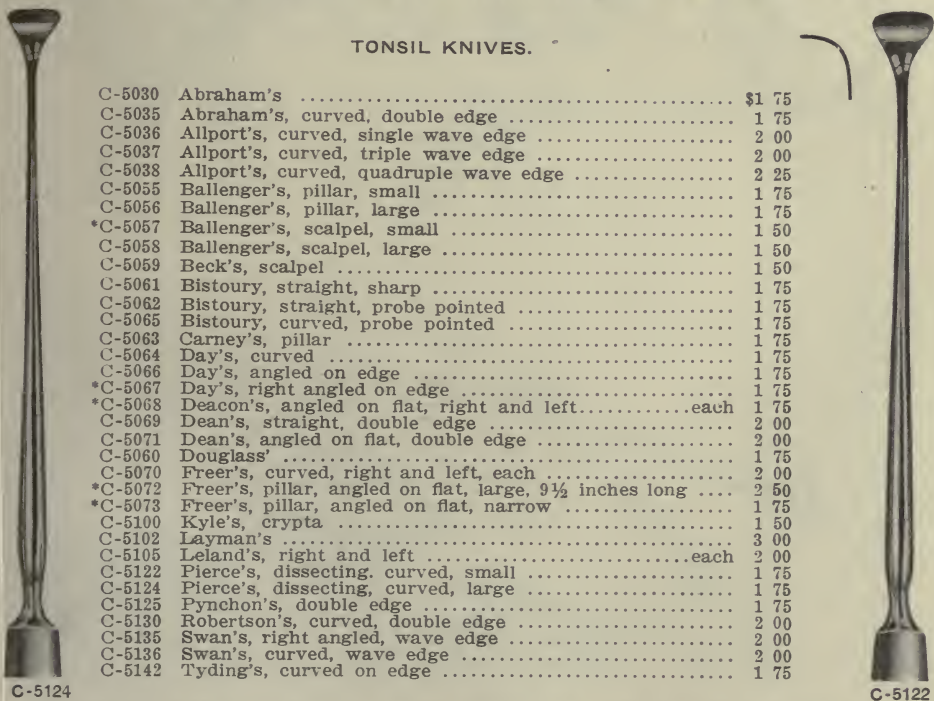


TONSIL KNIVES.

C-5030	Abraham's	\$1 75
C-5035	Abraham's, curved, double edge	1 75
C-5036	Allport's, curved, single wave edge	2 00
C-5037	Allport's, curved, triple wave edge	2 00
C-5038	Allport's, curved, quadruple wave edge	2 25
C-5055	Ballenger's, pillar, small	1 75
C-5056	Ballenger's, pillar, large	1 75
*C-5057	Ballenger's, scalpel, small	1 50
C-5058	Ballenger's, scalpel, large	1 50
C-5059	Beck's, scalpel	1 50
C-5061	Bistoury, straight, sharp	1 75
C-5062	Bistoury, straight, probe pointed	1 75
C-5065	Bistoury, curved, probe pointed	1 75
C-5063	Carney's, pillar	1 75
C-5064	Day's, curved	1 75
C-5066	Day's, angled on edge	1 75
*C-5067	Day's, right angled on edge	1 75
*C-5068	Deacon's, angled on flat, right and left.....each	1 75
C-5069	Dean's, straight, double edge	2 00
C-5071	Dean's, angled on flat, double edge	2 00
C-5060	Douglass'	1 75
C-5070	Freer's, curved, right and left, each	2 00
*C-5072	Freer's, pillar, angled on flat, large, 9 1/2 inches long ...	2 50
*C-5073	Freer's, pillar, angled on flat, narrow	1 75
C-5100	Kyle's, crypta	1 50
C-5102	Layman's	3 00
C-5105	Leland's, right and left	2 00
C-5122	Pierce's, dissecting, curved, small	1 75
C-5124	Pierce's, dissecting, curved, large	1 75
C-5125	Pynchon's, double edge	1 75
C-5130	Robertson's, curved, double edge	2 00
C-5135	Swan's, right angled, wave edge	2 00
C-5136	Swan's, curved, wave edge	2 00
C-5142	Tydings', curved on edge	1 75

QUALITY GUARANTEED.—Specify section letter and number in ordering.

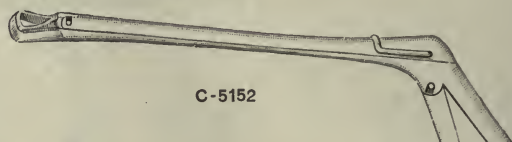
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.



Tonsil Punches



C-5152

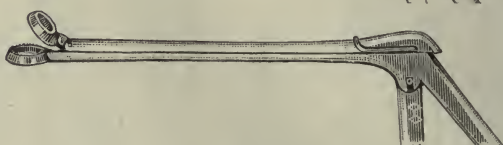


C-5152



NATURAL SIZE.

C-5146



C-5146



NATURAL SIZE.

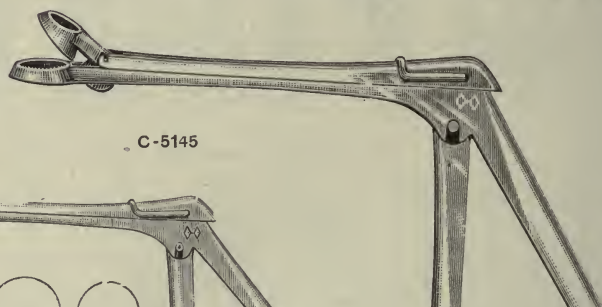
C-5148



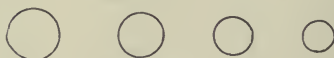
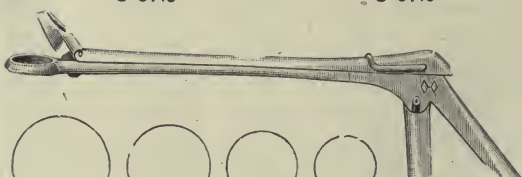
C-5148

NATURAL
SIZE.

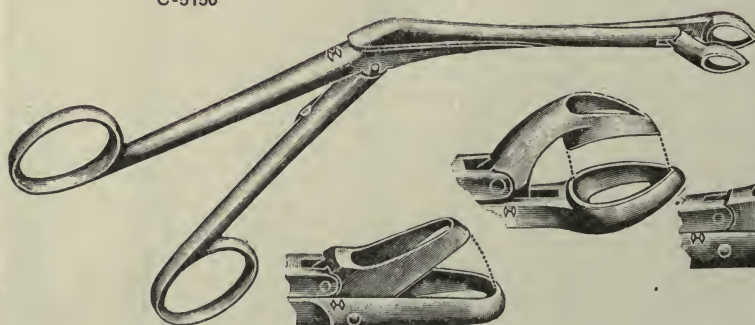
C-5145



C-5145



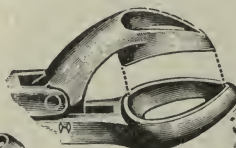
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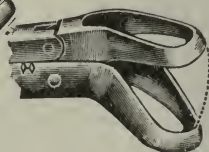
C-5156



C-5160



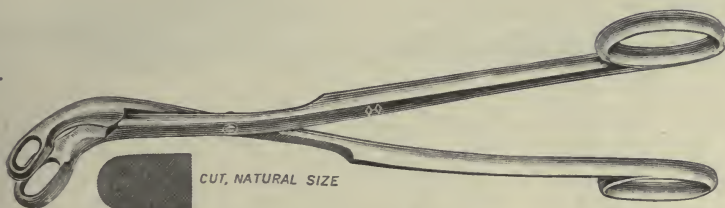
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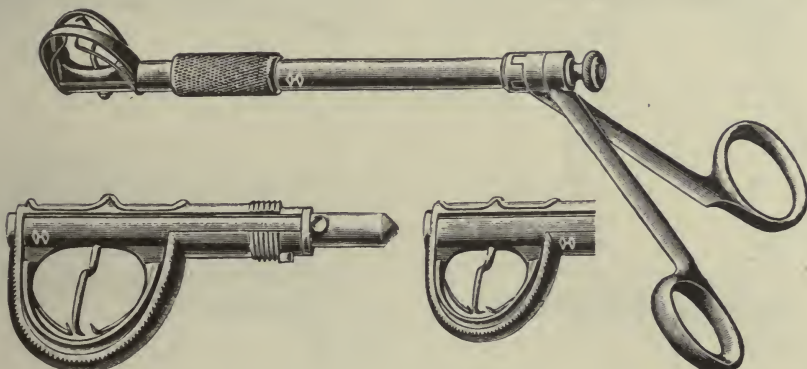
C-5165

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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on items marked net.

Tonsil Punches



C-5175



C-5180

C-5182

C-5184

TONSIL PUNCHES.

C-5145	Farlow's	\$8 50
C-5146	Hartman's, oval, straight	9 00
*C-5147	Hartman's, oval, turned up	11 00
C-5148	Hartman's, heavy, round, with spring, 2 sizes	each 10 50
C-5149	Hartman's, heavy, round, with spring, turned up	12 00
C-5150	Hartman's, round, straight, 8 sizes	each 8 50
C-5152	Hartman's, triangular, straight	10 50
C-5155	Myles', pointed beak, straight, antero-posterior	8 50
*C-5156	Myles', pointed beak, opening laterally, right	8 50
*C-5157	Myles', pointed beak, opening laterally, left	8 50
C-5160	Myles', rounded beak, straight, antero-posterior	9 00
C-5165	Myles', rounded beak, lateral curve, right	11 00
*C-5170	Myles', rounded beak, lateral curve, left	11 00
C-5175	Rhodes',	7 50
C-5180	Roberts', latest, with claws, large	10 00
C-5182	Roberts', latest, with claws, small	10 00
C-5184	Roberts', latest, with claws, 2 blades	16 00
*C-5185	Ruault's, latest, larger blade cutting downward	7 50
*C-5190	Ruault's, latest, larger blade cutting upward	7 50

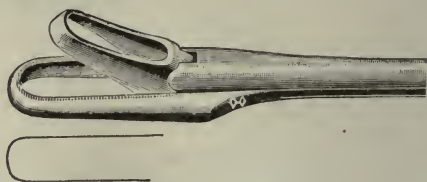
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A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

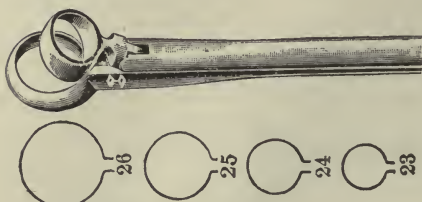
Tonsil Instruments



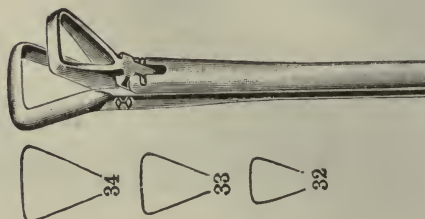
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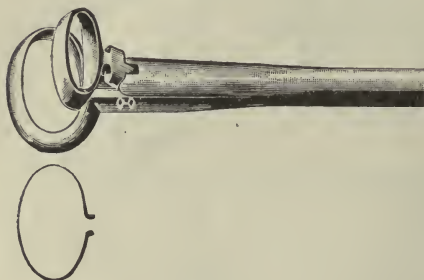
C-5196



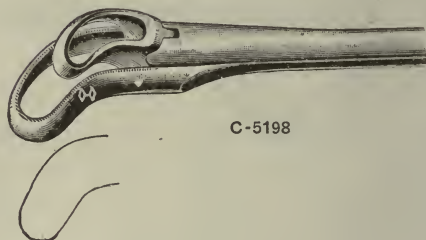
C-5192



C-5193



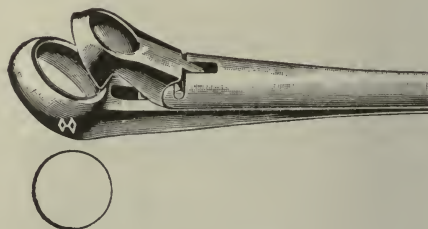
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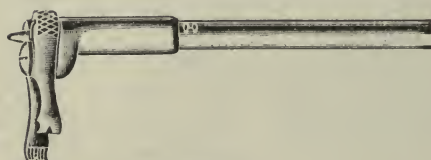
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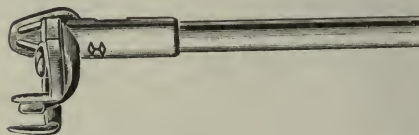
C-5199



C-5202



C-5203

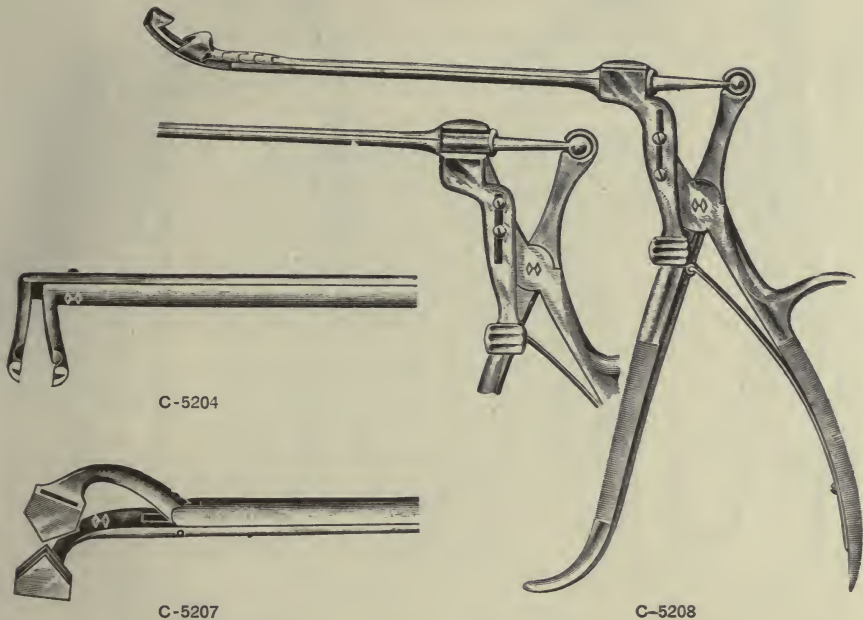


C-5206

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Tonsil Instruments

Tonsil Punches and Suture Instruments Fitting the
Haslam Universal Handle

TONSIL PUNCHES.

		Blades only	Blades with univ. handle
C-5191	Hartman's, oval, straight, antero-posterior	\$5 00	\$11 00
C-5192	Hartman's, round, straight, antero-posterior, 4 sizes	5 00	11 00
C-5193	Hartman's, triangular, straight, antero-posterior, 3 sizes	6 00	12 00
C-5194	Myles', oval, straight, antero-posterior	6 50	12 50
C-5196	Myles', rounded beak, straight, antero-posterior	6 50	12 50
C-5197	Myles', rounded beak, curved laterally, right	7 50	13 50
C-5198	Myles', rounded beak, curved laterally, left	7 50	13 50
C-5199	Roberts', reversible	7 75	13 75
C-5202	Struycken's, round, heavy	6 50	12 50

TONSIL SUTURE INSTRUMENTS.

C-5203	Applicator, for applying Michel's suture clamps, lateral position...	4 25	10 25
C-5204	Applicator, for applying Michel's suture clamps, antero-posterior position	3 50	9 50
C-5206	Remover, for removing Michel's suture clamps, from lateral position	4 75	10 75
C-5207	Remover, for removing Michel's suture clamps from antero-posterior position	4 00	10 00

UNIVERSAL HANDLE.

C-5208	Haslam's, can be used with nasal, antrum, ethmoidal, sphenoidal and tonsil punching forceps	6 00
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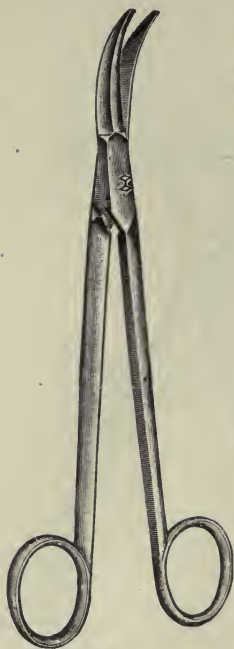
For full description of this handle see page 239.

Note.—Our universal punching forceps are made to fit other standard makes of universal handles, so that surgeons already supplied with another make of handle need not hesitate to order our forceps, as we absolutely guarantee a perfect fit.

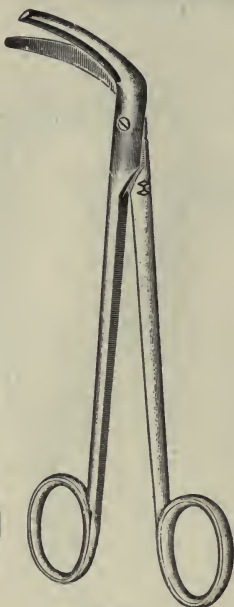
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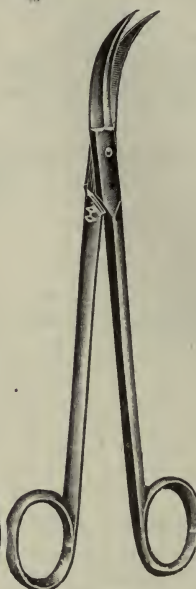
Tonsil Instruments



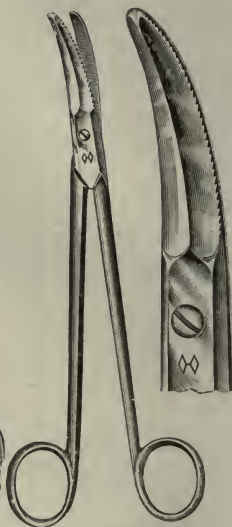
C-5214



C-5216



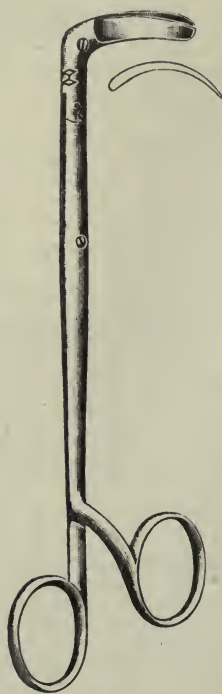
C-5220



C-5228



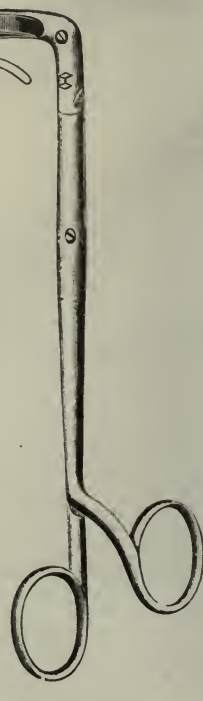
C-5217



C-5225



C-5218



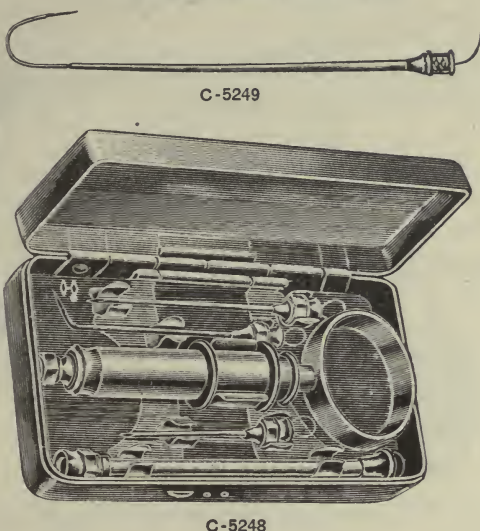
C-5226

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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Tonsil Instruments



C-5247



C-5248



C-5246

TONSIL SCISSORS.

C-5214	Boetcher's, curved on flat	\$3 00
*C-5215	Farrell's, curved to right	3 75
C-5216	Farrell's, curved to left	3 75
C-5217	Griffin's, curved on flat, correct model	3 25
C-5218	Kirkpatrick's, curved to right, serrated edge	3 00
*C-5219	Kirkpatrick's, curved to left, serrated edge	3 00
C-5220	Prince's, curved on flat	2 50
C-5225	Robertson's, curved to right	7 50
C-5226	Robertson's, curved to left	7 50
C-5228	Yankauer's, curved on flat, serrated edge	3 00

TONSIL SEPARATOR.

*C-5205	Ingals' tonsil pillar	3 50
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TONSIL SUCTION APPARATUS.

C-5246	Muck's	3 50
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TONSIL SYRINGES.

C-5247	Ballenger's, crypt, 3 oz., silver canulae	3 75
C-5248	Criterion, with extension, 2 straight and 1 curved needles, in nickel plated case	4 00
C-5249	Horton's, tonsil needle, will fit any syringe having universal thread	1 00
*C-5250	Pynchon's, in leather case	3 75
C-5252	Street's	2 25

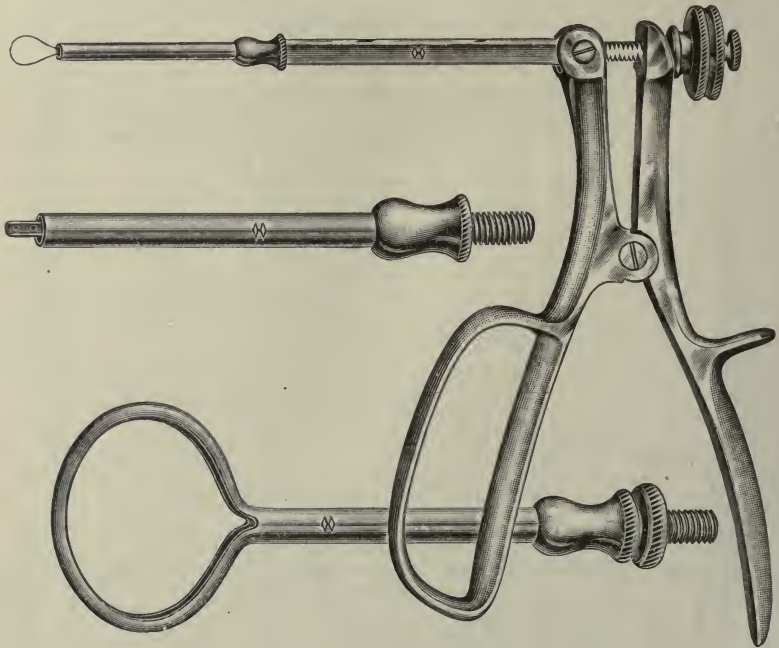
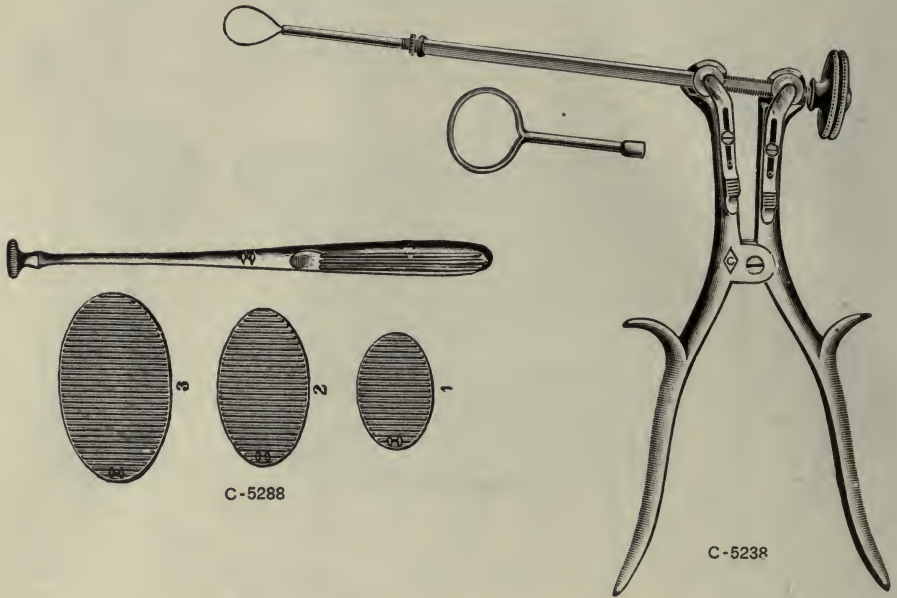


C-5252

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Tonsil Instruments

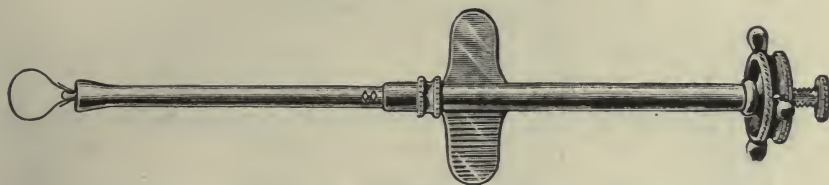


C-5231

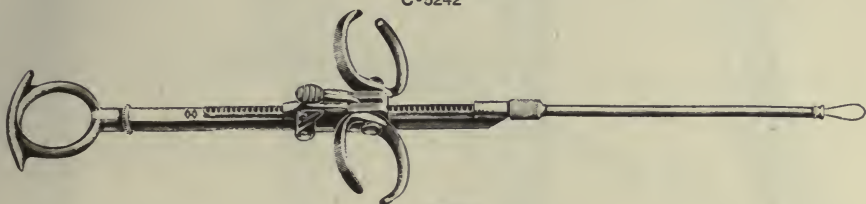
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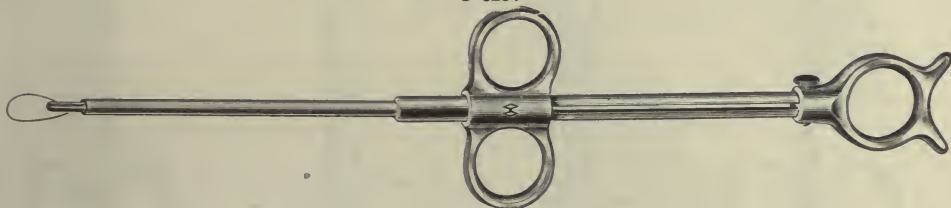
Tonsil Instruments



C-5242



C-5234



C-5232



C-5236

TONSIL EXPRESSOR.

C-5288	Levisohn's, with 3 tips	\$3 00
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TONSIL SNARES.

C-5231	Brown's, Haslam model, with 1 straight and 1 Vedder tip	\$7 00
C-5232	Eve's, all steel, with 1 dozen wire loops	6 50
*C-5233	Eve's, all steel, with ratchet, 2 tips	6 50
*C-5230	Farlow-Boetcher's, 2 tips	10 00
C-5234	Martin's, latest model	10 00
C-5236	Pierce's, latest model	10 00
*C-5240	Pyncheon's	10 00
C-5238	Rehthaler's, complete with 1 canulae, 1 medium sized improved Vedder tip and 2 dozen snare wires	10 00
	Extra canulae with stiletto, bearings and wheel screw	5 00
	Extra improved Vedder tip, any size	1 50

This snare has been thoroughly tested by some of the most eminent nose and throat specialists and declared by them to be the most perfect snare ever brought before the profession. It is simple in construction, made of the very best material throughout and possesses all the combined good features found in the various snares of this class without any of the defects possessed by all in a more or less marked degree. Send for circular giving complete description.

*C-5241	Sewall's	13 50
*C-5245	Sloan's	4 50
C-5242	Smith's, all steel	3 50

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Tonsil Instruments



C-5265



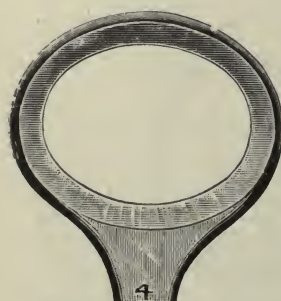
C-5262



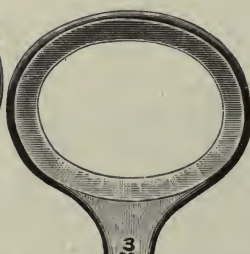
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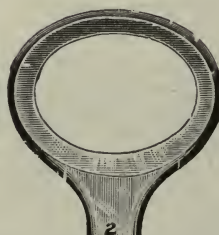
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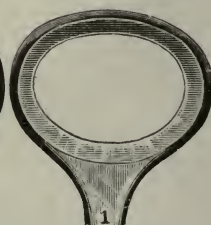
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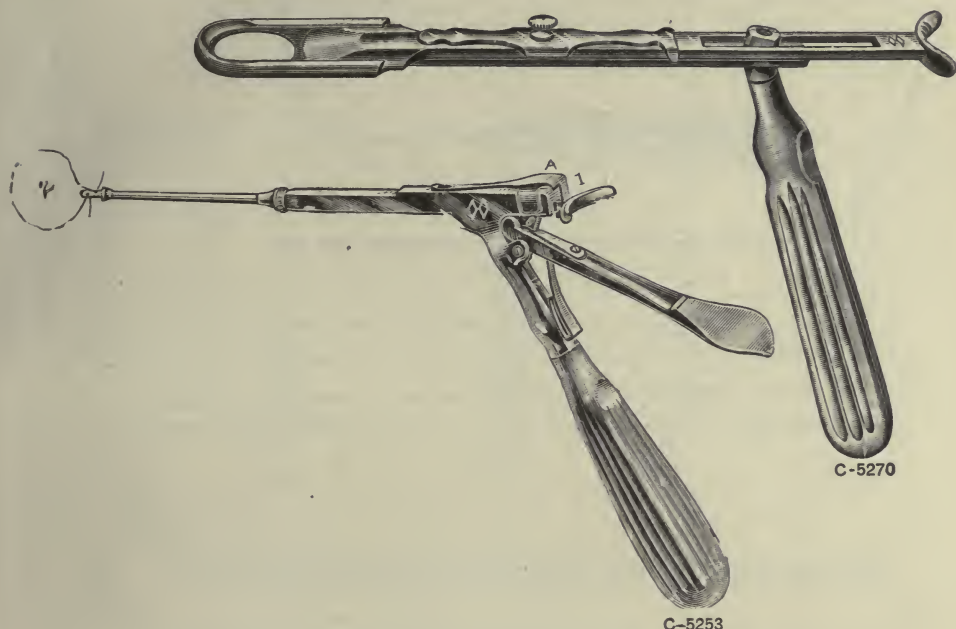


1

Showing full size of blade, for the Mathieu, Mathieu's improved, and Simplex tonsillatomes.

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Tonsil Instruments



TONSIL SNARES.

*C-5243	Steven's	6 50
*C-5244	Tyding's, with 1 straight and 1 Vedder tip	10 00
C-5253	Wright's, extra heavy, 1 tip	7 50
*C-5254	Wright's, extra heavy, 1 straight and 1 Vedder tip	9 00

TONSILOTOMES.

*C-5256	Ballenger's, 2 blades, 1 sharp, 1 blunt	\$13 50
*C-5258	Ballenger-Sluder's, emasculator, latest model, 2 blades	18 50
C-5260	Marconi's, 4 sizes	each 8 00
C-5262	Mathieu's, regular pattern, 4 sizes	each 5 25
C-5265	Mathieu's, improved pattern, Haslam model, 4 sizes	each 4 00

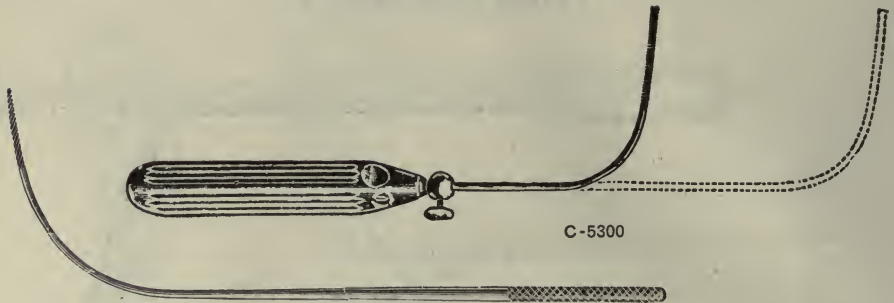
This instrument embodies the ultimate degree of efficiency and simplicity in a tonsilotome. It has only three separate pieces. It is made of forged steel and not stamped from sheet metal, consequently the blades cut better and hold their edges longer. It is easily taken apart for cleaning and has no small pieces to get lost. It has an adjusting screw by which the degree of tension on the tonsil by the fork is regulated.

C-5270	McKenzie's, Haslam model, reversible, 4 sizes	each 4 50
*C-5275	Myles', lingual, 2 sizes	each 5 00
*C-5280	Quinlan's, modified McKenzie, reversible, 4 sizes	each 6 75
C-5285	Simplex, 4 sizes	each 4 00
*C-5286	Sluder's, emasculator, 2 sizes	each 8 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

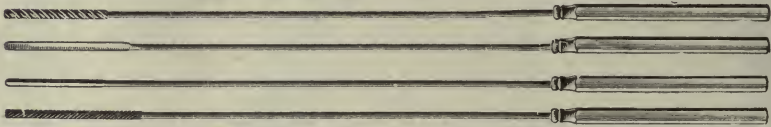
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Laryngeal Instruments

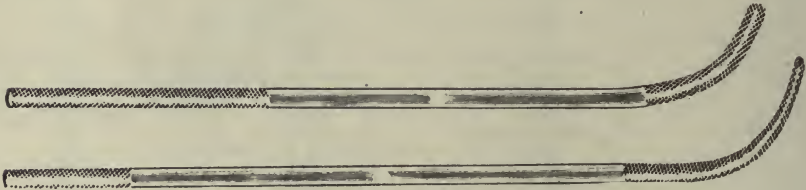


C-5300

C-5305



C-5315



C-5290-5295



C-5310



C-5325-5330



C-5335

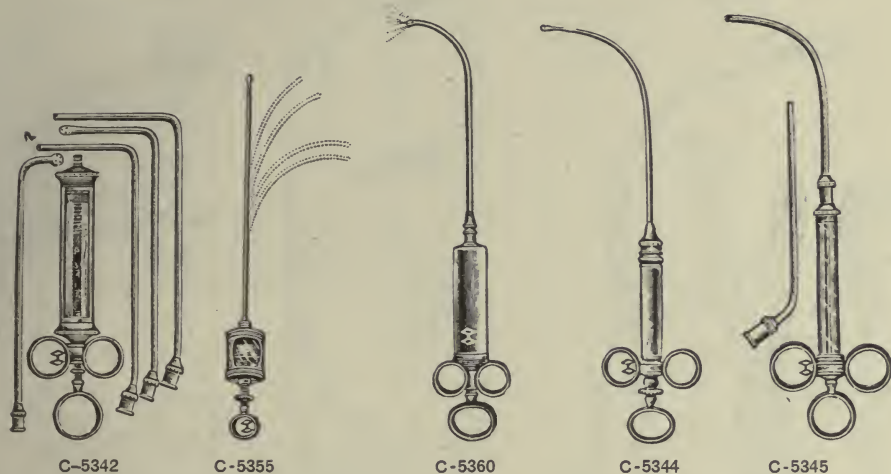


C-5340

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Laryngeal Instruments



LARYNGEAL APPLICATORS AND SYRINGES.

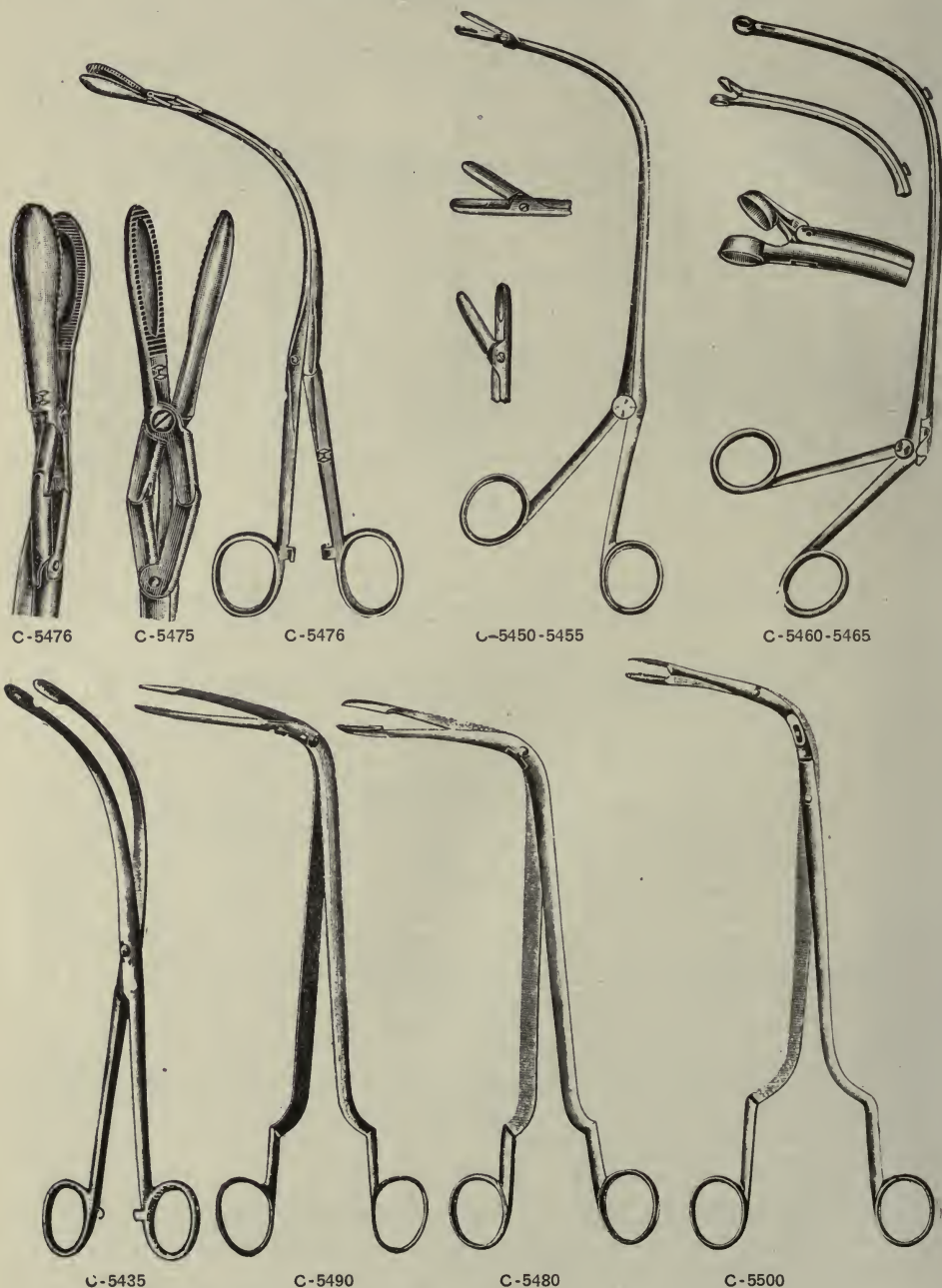
C-5290	Applicator, aluminum, extra heavy, roughened end	\$0 25
C-5295	Applicator, aluminum, extra heavy, roughened end	25
C-5300	Applicator, Freer's, adjustable in length	1 00
C-5305	Applicator, Kyle's, all steel, plated	25
C-5310	Applicator, Martin's, with bundle of 100 nails	75
C-5315	Applicator, plain, plated, rough end, triangular end, flat end, or spiral end	each 15
*C-5320	Applicator, plain, aluminum, rough end, triangular end, flat end, or spiral end	each 15
C-5325	Applicator, probe, laryngeal, flexible, copper, plated	50
C-5330	Applicator, probe, laryngeal, flexible, silver	1 00
C-5335	Applicator, Saenger's, flexible, copper, heavy flat end	1 00
C-5340	Sponge Holder, curved, plated	50
C-5342	Syringe, Brown's, with 4 silver tubes, in metal case	8 50
C-5344	Syringe, Cube's, all metal, with olive pointed canulae	5 00
C-5345	Syringe, Frankel's, with curved and straight tips	1 75
C-5355	Syringe, Muir's, with flexible laryngeal tip	2 50
C-5360	Syringe, Perfection, all metal, ½ ounce, flexible tip	3 50
*C-5365	Syringe Pipe, Brown's, short curve, plain	1 00
*C-5370	Syringe Pipe, Brown's, long curve, bulbous	1 25
*C-5375	Syringe Pipe, Brown's, long curve, plain	1 00
*C-5380	Syringe Pipe, Coover's, copper stem, silver bulb	1 00
*C-5385	Syringe Pipe, Fraenkel's, angular	1 00
*C-5390	Syringe Pipe, Fraenkel's, curved	1 25
*C-5395	Syringe Pipe, plain, straight	1 10
*C-5400	Syringe Pipe, plain, curved	1 10
*C-5405	Syringe Pipe, plain, full curved	1 10

Pipes C-5365 to C-5405 fit the ordinary hypodermic or aspirator syringes; they can also be made with bulb hubs suitable for bulb syringes.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

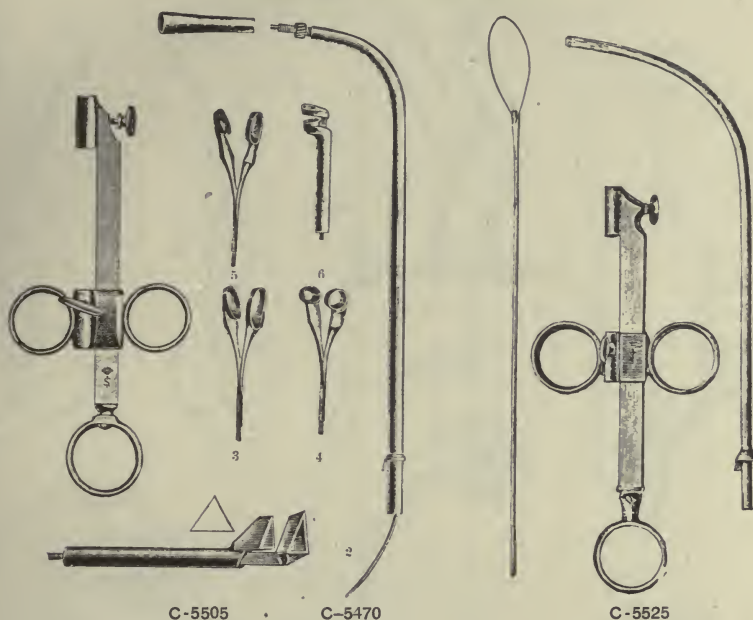
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Laryngeal Instruments



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Laryngeal Instruments



CURETTES.

*C-5415	Cohen's, bent up	\$2 50
*C-5420	Cohen's, bent down	2 50
*C-5425	Krause's, antero posterior	2 50
*C-5430	Krause's, lateral, right and left	each 2 50

FORCEPS.

C-5435	Fauvel's, grasping, lateral	2 50
C-5440	Fraenkel's, grasping, antero posterior, light	2 25
C-5450	Jurasz-Gottstein's, cutting, up and down	each 8 00
C-5455	Jurasz-Gottstein's, cutting, lateral, right and left	each 8 00
C-5460	Killian's, cutting, antero posterior	7 50
C-5465	Killian's, cutting, lateral, right and left	each 7 50
C-5470	Krause's, set of 5 attachments, with universal handle, in metal case.....	25 00
C-5475	Luer's, grasping, antero posterior	6 00
C-5476	Luer's, grasping, lateral	6 00
C-5480	McKenzie's, cutting, antero posterior	2 50
*C-5485	McKenzie's, cutting, lateral	2 50
C-5490	McKenzie's, grasping, antero posterior	2 25
*C-5495	McKenzie's, grasping, lateral	2 25
C-5500	McKenzie's, grasping, antero posterior, articulated	5 00
C-5505	Moritz-Schmidt's, cutting curette, can be attached to canulae of C-5470....	5 00

KNIVES.

*C-5510	Tobold's, spear shaped	1 50
*C-5515	Tobold's, convex blade	1 75
*C-5520	Tobold's, concave blade	1 75

SNARES.

C-5525	Krause's, with universal handle	4 50
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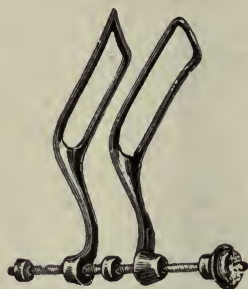
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Tracheal Instruments



C-5565



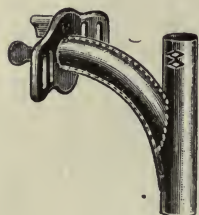
C-5530



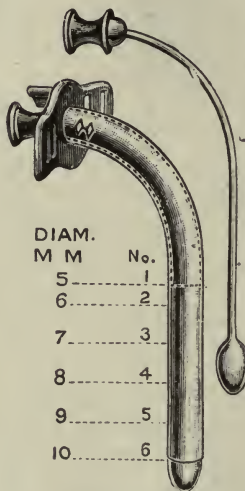
C-5540



C-5535



C-5628-5629



C-5626-5627

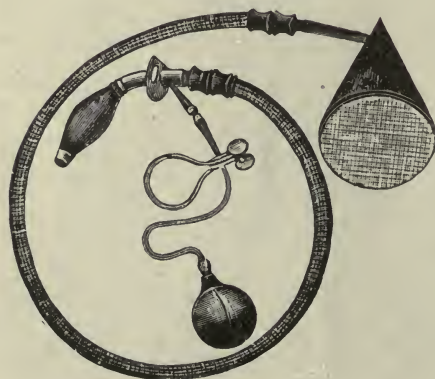


C-5623-5624



C-5630-5640

DIAM.		No.
5	-----	1
6	-----	2
7	-----	3
8	-----	4
9	-----	5
10	-----	6



C-5645-5650



C-5620

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Tracheal Instruments



C-5530	Dilator, Golding-Bird's, fenestrated, with set screw	\$3 50
C-5535	Dilator, Otis'	2 00
C-5540	Dilator, Trosseau's	1 75
C-5545	Forcep, Collin's, for removing foreign bodies	4 00
*C-5550	Forcep, Mathieu's, for removing foreign bodies	4 50
*C-5555	Forcep, Stockloew's, for removing foreign bodies	3 00
C-5560	Retractor, Belajew's	1 25
C-5565	Retractor, Bose's, wire spring	40
*C-5570	Retractor, hook, single, blunt	90
C-5575	Retractor, hook, single, sharp	90
*C-5580	Retractor, hook, double, blunt	1 00
C-5585	Retractor, hook, double, sharp	1 00
*C-5590	Retractor, hook, triple, blunt	1 10
C-5595	Retractor, hook, triple, sharp	1 10
C-5600	Retractor, Hupp's	1 75
*C-5605	Retractor, Luer's, double, blunt	40
C-5610	Retractor, Rose's, double, blunt	60
*C-5615	Retractor, Stahl's	1 00
C-5620	Tracheatome, Haslam's, 5 sizes, in case	each 4 50
C-5620a	Tracheatome, Haslam's, 5 sizes, no case	each 3 25
C-5621	Tracheatome, Haslam's, 3 sizes in case	11 00
*C-5625	Trachea Tubes, Cohen's, with obturator, silver, \$9.00; plated	5 00
C-5624	Trachea Tubes, Chevalier-Jackson's, silver, small, 1-2-3, each \$6.75; large, 4-5-6, each	7 50
C-5626	Trachea Tubes, Chevalier-Jackson's, cane shape, plated, small, 1-2-3, each \$5 00; large, 4-5-6, each	5 50
C-5627	Trachea Tubes, Chevalier-Jackson's, cane shape, silver, small, 1-2-3, each \$7.25; large, 4-5-6, each	8 00
C-5628	Trachea Tubes, Chevalier-Jackson's, laryngostomy, plated, small, 1-2-3, each \$4.00; large, 4-5-6, each	4 50
C-5629	Trachea Tubes, Chevalier-Jackson's, laryngostomy, silver, small, 1-2-3, each \$7.00; large, 4-5-6, each	7 50
C-5623	Trachea Tubes, Chevalier-Jackson's, plated, small, 1-2-3, each \$4.50; large, 4-5-6, each	5 00
C-5630	Trachea Tubes, Luer's, double, hard rubber	1 00
C-5635	Trachea Tubes, Luer's, double, silver plated	2 00
C-5636	Trachea Tubes, Luer's, aluminum, 8 sizes	each 2 00
C-5640	Trachea Tubes, Luer's, double, silver— Nos. 1 2 3 4 5 6 7 8 9 10 Price	3 50 3 50 4 00 4 25 4 25 5 00 5 50 5 75 6 25 7 00
C-5645	Trachea Tubes, Trendelenburg's, with tampon, sterling silver— Nos. 1 2 3 4 5 6 7 8 9 10 Price	5 50 5 50 5 75 6 25 6 50 6 75 7 00 7 50 8 00 9 00
C-5650	Trendelenburg's Chloroform Apparatus, for canulae C-5645	4 50

Note.—Special trachea tubes made to order at shortest notice. Tubes on the market other than those listed can be secured promptly on order.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Intubation

C-5650. HASLAM-FERROUD INTUBATION SET.



C-5650

This set of instruments for intubating the larynx of children, comprises 6 gold plated tubes of the Ferroud pattern, 1 introducer and extractor of improved pattern, 1 Denhardt's mouth gag made of finest steel, and 1 tube gauge. The tubes are held on a specially constructed hinged frame from which they are easily handled. Put up in fine, nickel plated metal case. This outfit represents the latest and most up-to-date set of intubating instruments ever placed on the market.

Price, complete\$15 00

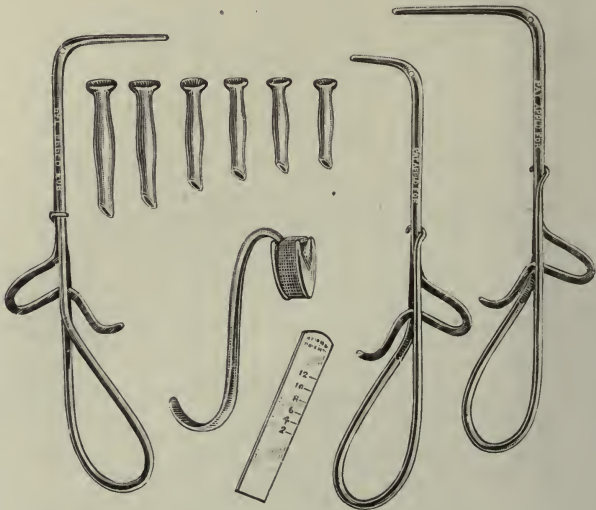
C-5655. FERROUD-THORNER'S INTUBATION SET.

Kratzmueller's Modification.

This improved style of intubation set is simple, compact, clean and effective. The tubes are of the most improved shape and are made of non-corrosive metal. The set consists of six tubes, gag, gauge and one, two or three improved introducers and extractors, put up in a neat washable pouch.

Price per set, 1 handle... \$10 50
Price per set, 2 handles.. 12 50
Price per set, 3 handles.. 14 50

When sizes of handles are not specified we will send medium when one is ordered, and medium and small in sets of two.



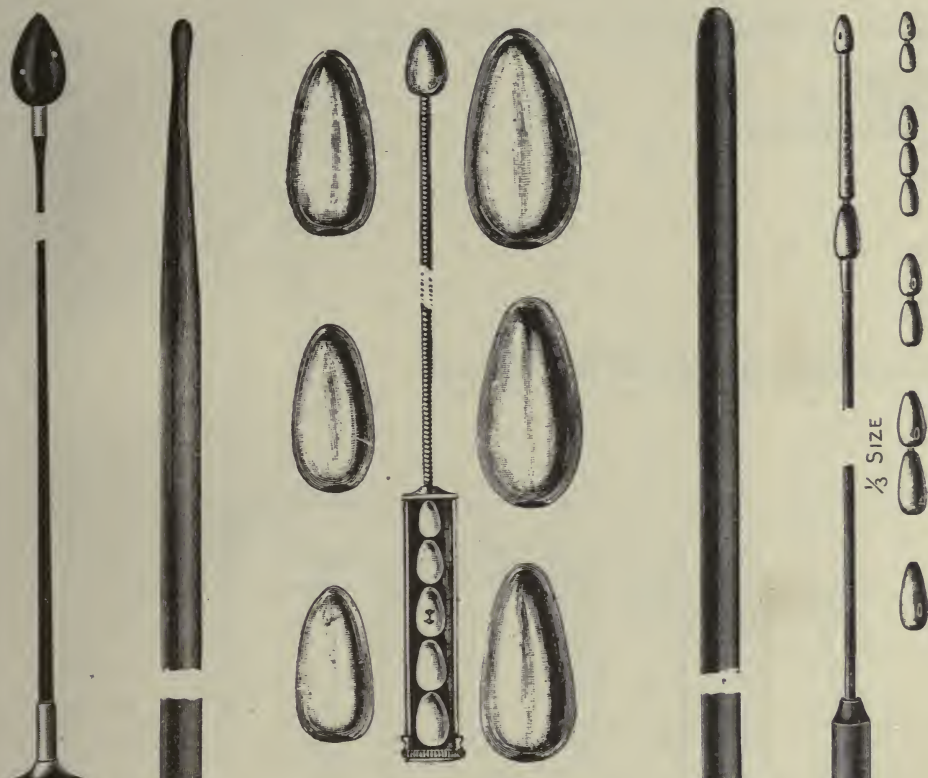
C-5655

C-5660	Ermold-O'Dwyer's Intubation Set, childrens'	\$20 00
C-5665	Ermold-O'Dwyer's Intubation Set, adults'	50 00
C-5670	Carsten's Intubation Set, in metal,, nickel plated case	15 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Oesophageal Instruments



C-5680

C-5690

C-5675

 $\frac{1}{8}$ SIZE

C-5682

BOUGIES.

- C-5675 Oesophageal, cylindrical, French, best quality \$1 35
 C-5680 Oesophageal, olive point, French, best quality 1 50

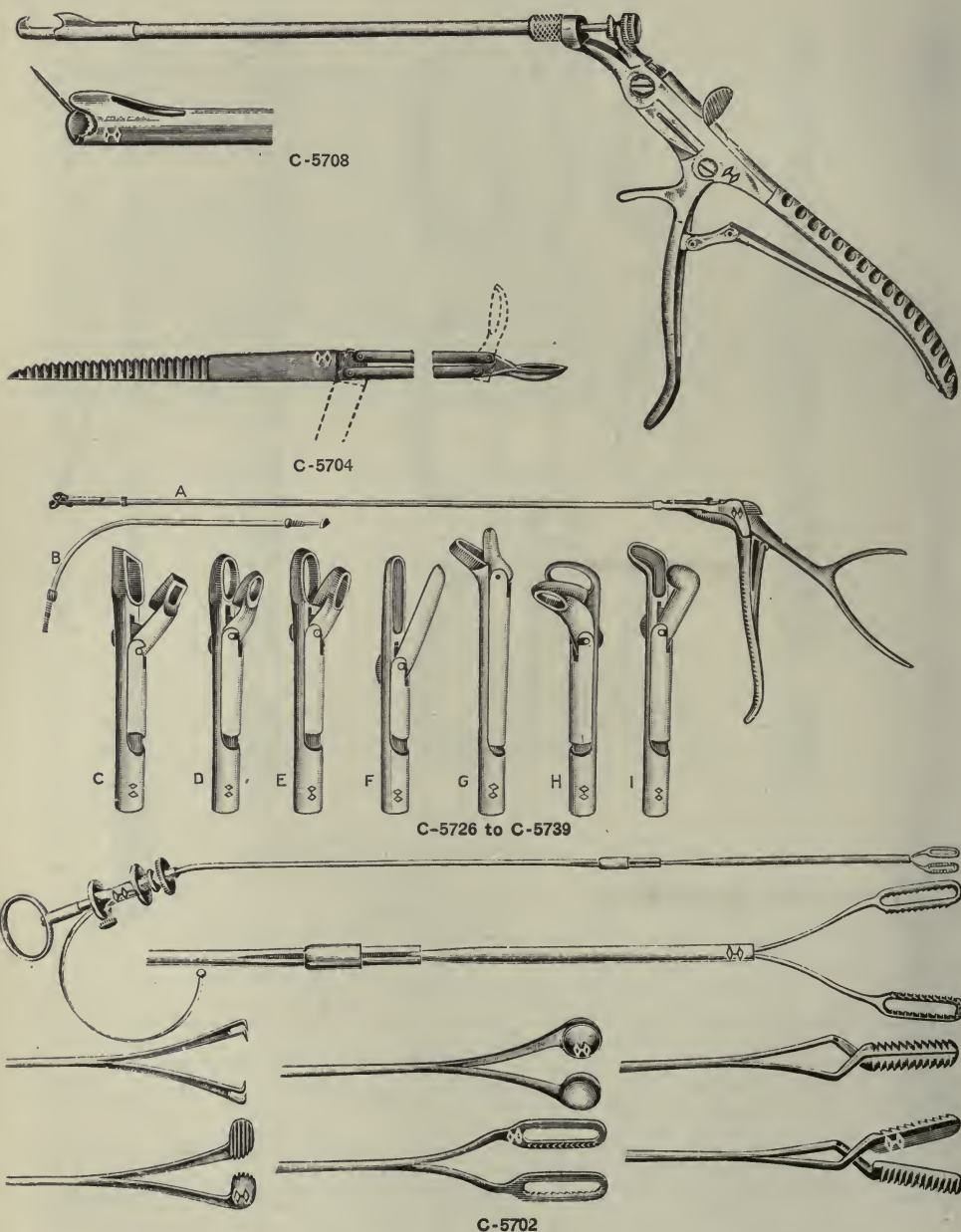
DILATORS.

- C-5682 Plummer's, exploring and dilating, with metal spiral extension tip, and set of series and single olives 7 00
 C-5685 Trosseau's, oval metal stem, tubular metal handle, containing 6 metal olives 3 00
 *C-5690 Trosseau's, flexible spiral stem, tubular metal handle containing 6 metal olives 3 00
 C-5692 Trosseau's, flexible whalebone stem, tubular metal handle containing 6 hard rubber olives 4 50
 *C-5695 Verneuil's, with flexible extension end, probe pointed, and 6 hard rubber olives 5 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

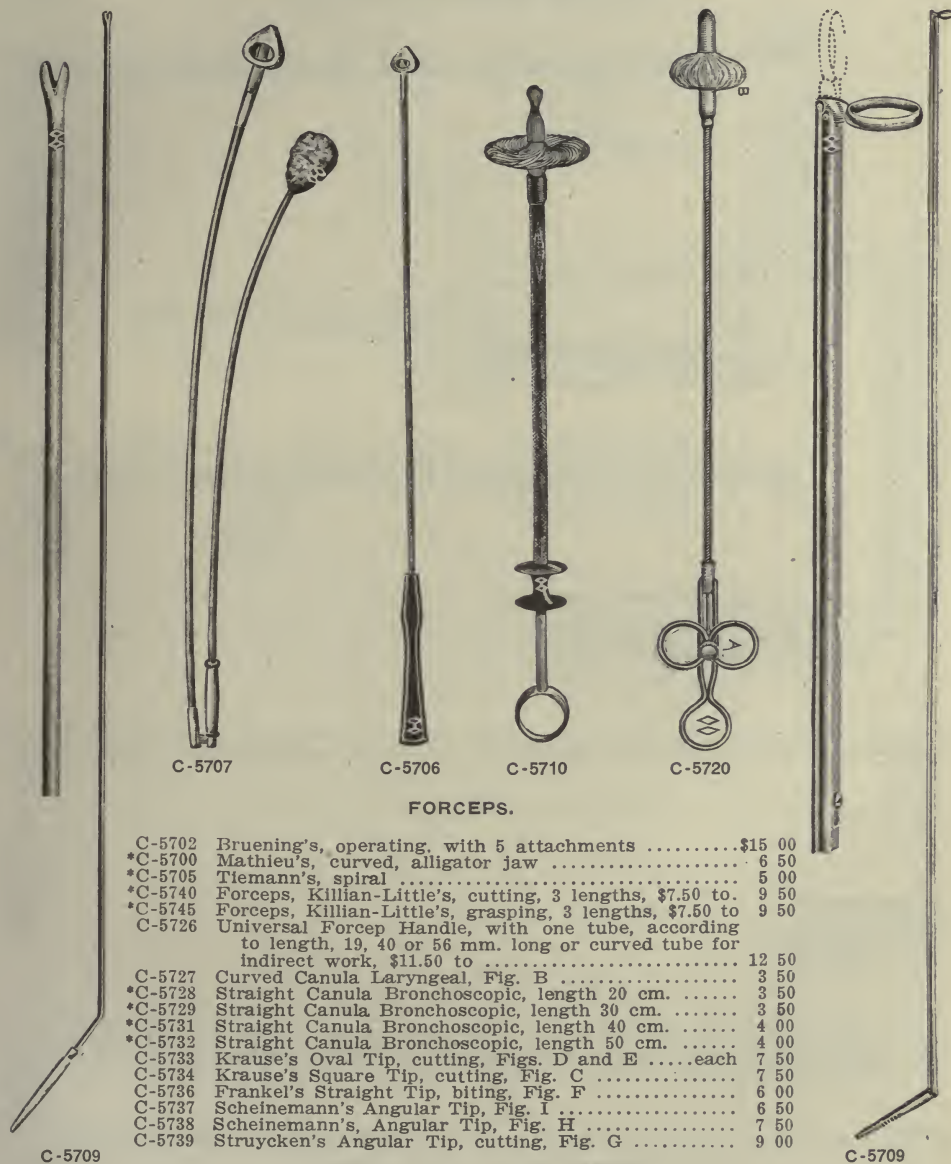
Laryngoscopic, Bronchoscopic and Oesophagosopic Instruments



QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Laryngoscopic, Bronchoscopic and Oesophagoscopic Instruments



FORCEPS.

C-5702	Bruening's, operating, with 5 attachments	\$15 00
*C-5700	Mathieu's, curved, alligator jaw	6 50
*C-5705	Tiemann's, spiral	5 00
*C-5740	Forceps, Killian-Little's, cutting, 3 lengths, \$7.50 to	9 50
*C-5745	Forceps, Killian-Little's, grasping, 3 lengths, \$7.50 to	9 50
C-5726	Universal Forcep Handle, with one tube, according to length, 19, 40 or 56 mm. long or curved tube for indirect work, \$11.50 to	12 50
C-5727	Curved Canula Laryngeal, Fig. B	3 50
*C-5728	Straight Canula Bronchoscopic, length 20 cm.	3 50
*C-5729	Straight Canula Bronchoscopic, length 30 cm.	3 50
*C-5731	Straight Canula Bronchoscopic, length 40 cm.	4 00
*C-5732	Straight Canula Bronchoscopic, length 50 cm.	4 00
C-5733	Krause's Oval Tip, cutting, Figs. D and E	each 7 50
C-5734	Krause's Square Tip, cutting, Fig. C	7 50
C-5736	Frankel's Straight Tip, biting, Fig. F	6 00
C-5737	Scheinemann's Angular Tip, Fig. I	6 50
C-5738	Scheinemann's, Angular Tip, Fig. H	7 50
C-5739	Struycken's Angular Tip, cutting, Fig. G	9 00

FOREIGN BODY INSTRUMENTS.

C-5704	Bean Extractor, Jackson's	3 50
C-5706	Coin Catcher	1 50
C-5707	Coin Catcher, with sponge probang, hinged	2 50
C-5708	Pin Cutter, Jackson's	15 00
C-5709	Safety Pin Extractor, Jackson's, with fork	5 00

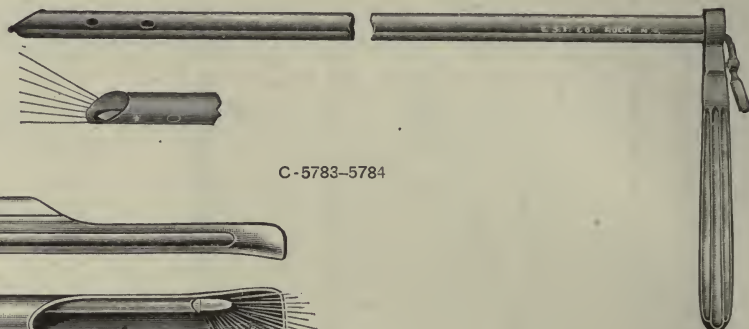
PROBANGS.

C-5710	Bristle, with ring and finger hold, web cover	1 25
C-5720	Bristle, Haslam's, all metal, spiral, aseptic	1 50
*C-5725	Probang Bristles, Haslam's, extra, per set	35

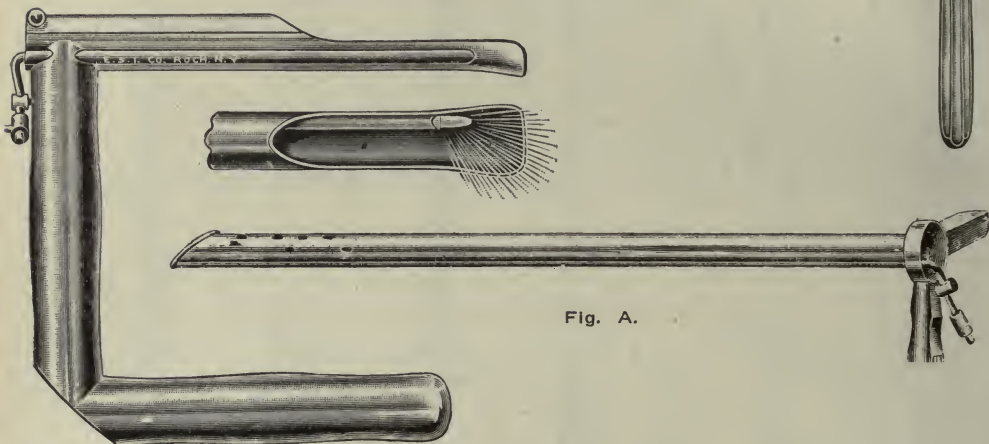
QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Laryngoscopic, Bronchoscopic, Oesophagoscopic and Gastroscopic Instruments

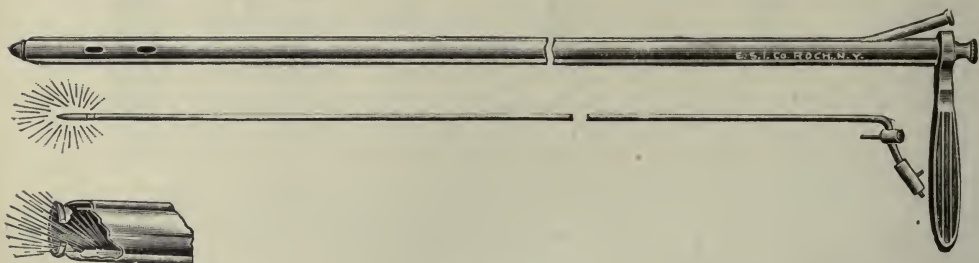


C-5783-5784

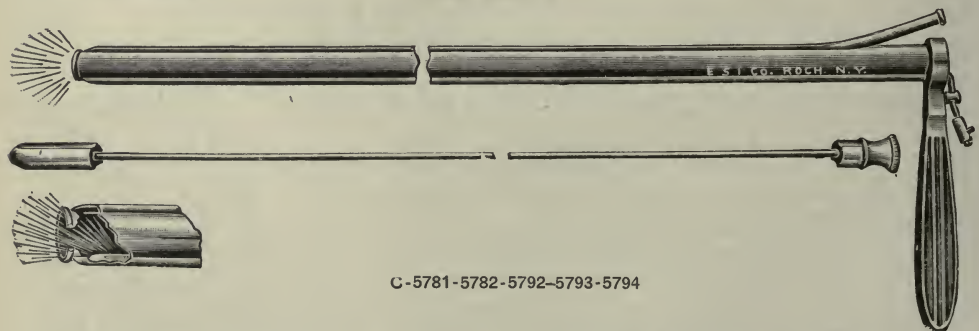


C-5786-5787

Fig. A.



C-5788-5789-5791

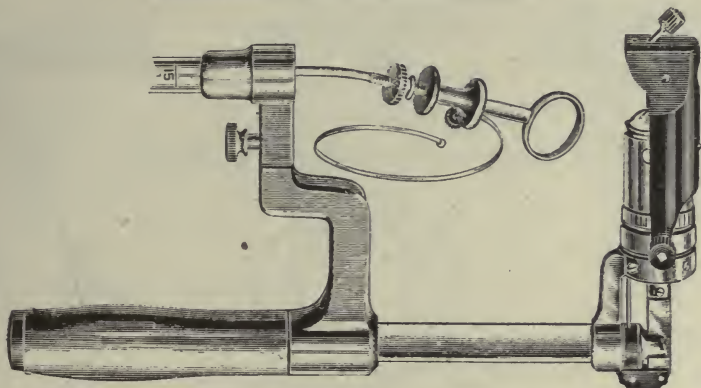


C-5781-5782-5792-5793-5794

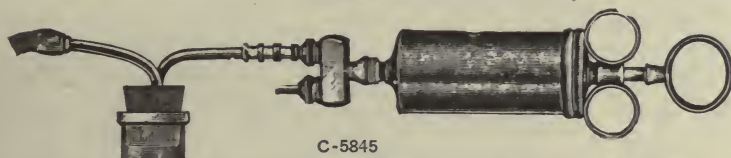
QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 5% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Laryngoscopic Bronchoscopic, Oesophagoscopic and Gastroscopic Instruments



C-5796



C-5845

FOR DIAGNOSTIC, OPERATIVE AND TREATMENT WORK.

The designs for these instruments were furnished by Dr. Chevalier Jackson of Pittsburgh, Pa., and have been made for him and under his directions by "The Electro Surgical Instrument Co." of Rochester, N. Y. In order to secure the correct pattern of these instruments we would ask our customers to specify this make.

A modification of the Jackson bronchoscope has been suggested by Dr. D. Braden Kyle of Philadelphia, Pa. In this modification a fenestra has been placed 5 cm. from the distal end with a corresponding opening in the auxiliary tube. For use in cases of tracheal tumors, etc.

A catalogue giving complete description with illustration of Dr. Jackson's instruments will be mailed upon request.

*C-5840	Lamp and Carrier for Jackson's tubes	\$2 50
C-5845	Aspirator, Jackson's, for secretions, will all metal suction pump	5 00
*C-5750	Handle, universal, metal, for hooks and sponge holders	25
*C-5755	Hook, Jackson's, for foreign bodies	75
*C-5760	Hook, Jackson's, for foreign bodies	75
*C-5765	Secretion Tube, Jackson's	50c to 1 00
*C-5770	Sponge Holder, Jackson's, self-holding, 27 cm., \$1.25; 60 cm., \$1.50; 85 cm..	1 75
C-5781	Oesophagoscope, Jackson's, adults', No. 1, 10 mm. x 53 cm., with auxiliary drainage tube	15 00
C-5782	Oesophagoscope, Jackson's, child's', No. 2, 7 mm. x 45 cm., with auxiliary drainage tube	11 00
C-5783	Bronchoscope, Jackson's, adults', No. 3, 7 mm. x 40 cm., without obturator	11 00
C-5784	Bronchoscope, Jackson's, child's', No. 4, 5 mm. x 30 cm., without obturator	9 00
C-5786	Laryngeal Speculum, Jackson's, No. 5, with slide, adults', 14 mm. x 16 cm..	18 00
C-5787	Laryngeal Speculum, Jackson's, No. 6, with slide, child's', 12 mm. x 14 cm..	18 00
C-5788	Bronchoscope, Jackson's, No. 8, 7 mm. x 45 cm., with auxiliary drainage tube	11 00
C-5789	Bronchoscope, Jackson's, No. 9, 5 mm. x 45 cm., with auxiliary drainage tube	10 00
C-5791	Bronchoscope, Jackson's, No. 10, 5 mm. x 30 cm., with auxiliary drainage tube	9 00
Bronchoscopes Nos. 8, 9 and 10 are used in cases of excessive secretion and for drainage of lung abscesses.		
C-5792	Gastroscope, Jackson's, No. 11, 10 mm. x 70 cm., for ordinary cases	21 00
C-5793	Gastroscope, Jackson's, No. 12, 10 mm. x 80 cm., for extreme cases gastroptosis	24 00
*C-5794	Bronchoscope, Jackson's, modified by Dr. D. Braden Kyle, 7 mm. x 40 cm., with long and short light carrier	14 50
The Jackson tubes can be made to fit and to be used in connection with the Bruening electrocope, see Fig. A. We can also remodel your old Jackson or Killian tubes to be used with the same instrument. Write for prices.		
C-5796	Electrocope, Bruening's, latest, complete with cable	35 00

This instrument has a specially constructed lamp in connection with a powerful lens and mirror, and throws a strong light to the bottom of the tube.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Stomach Apparatus



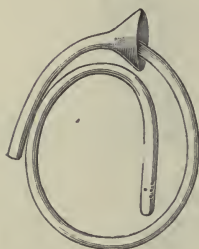
A



B



C-5890



C-5892



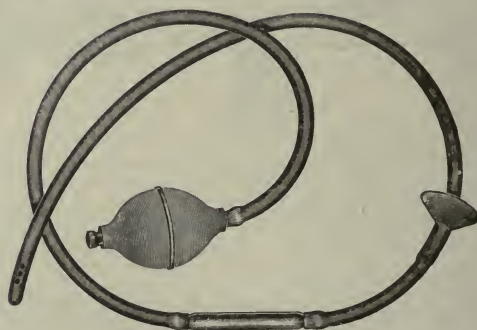
C-5895



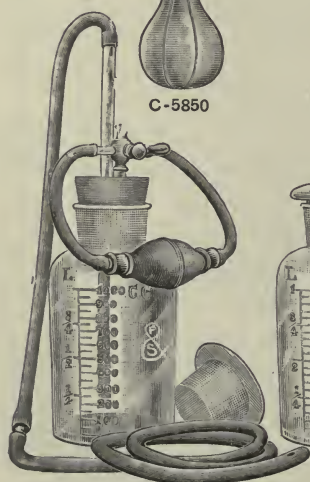
C-5900



C-5850



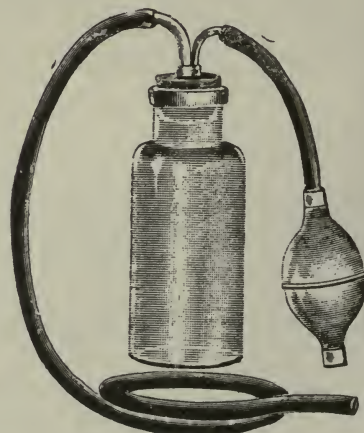
C-5888



C-5848



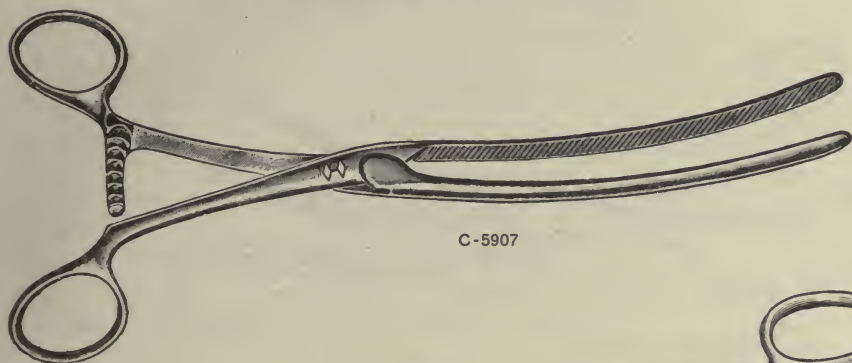
C-5855



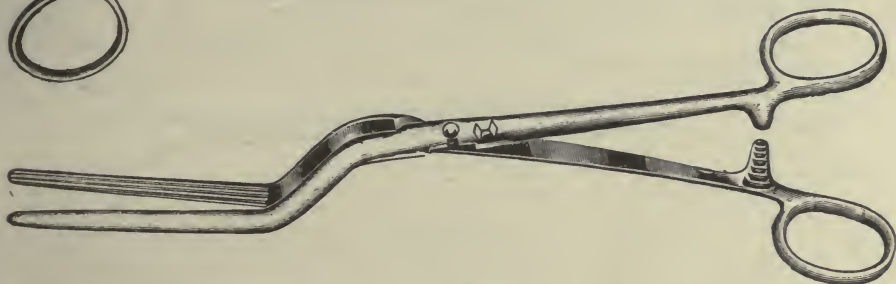
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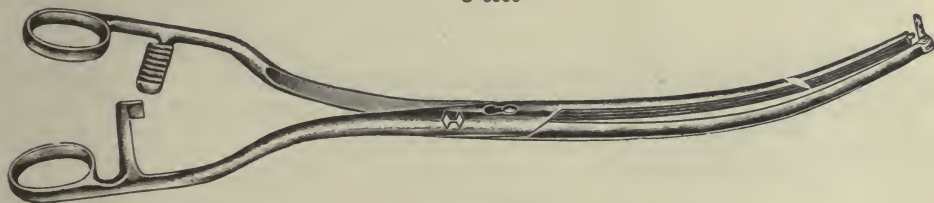
Stomach and Intestinal



C-5907



C-5906



C-5908

STOMACH TUBES, APPARATUS, ETC.

C-5848	Aspirator, Daland's, for obtaining stomach contents	\$7 50
C-5850	Aspirator, Ewald's, for obtaining stomach contents	5 00
C-5855	Aspirator, plain, for obtaining stomach contents	2 50
*C-5860	Electrode, Einhorn's, intra gastric	2 00
*C-5865	Electrode, Rosenheim's, intra gastric	3 50
*C-5870	Gastrodiaphane, Einhorn's, for transillumination	9 00
*C-5875	Glass Funnels, for stomach tubes, each \$.35 to	50
*C-5880	Gyromele, Turck's	3 00
C-5888	Tube, Chase's, complete with bulb	2 75
C-5890	Tube, Ewald's, soft rubber, length 24 inches	1 75
*C-5891	Tube, Paine's, nasal feeding	1 25
C-5892	Tube, Rosenheim's, soft rubber, with saliva shield.....	1 25
C-5895	Tube, soft rubber, with funnel, 3 sizes, length 60 inches	2 00
C-5900	Tube, soft rubber, with bulb and funnel, 3 sizes, length 60 inches	2 50
*C-5905	Tube, Turck's, soft rubber, return flow	1 75

Note.—Fig. A shows stomach tube with closed end and side opening, Fig. B with open end and side opening. In ordering specify the style wanted.

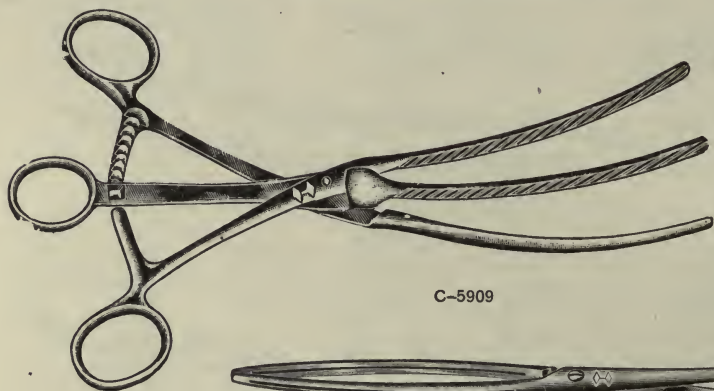
CLAMP FORCEPS.

C-5906	Breuner's, bayonet shape, longitudinal serrations	3 00
C-5907	Doyen's flat curved, light, transverse serrations	2 50
C-5905	Kocher's, curved, for resection, longitudinal serrations	6 00

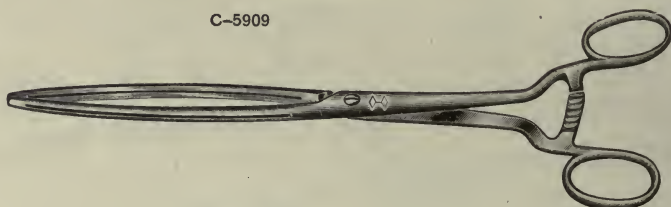
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Stomach and Intestinal



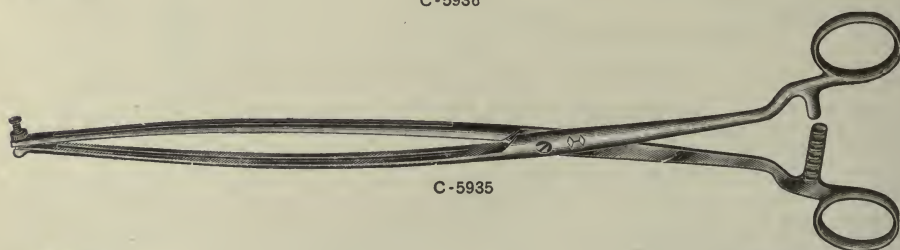
C-5909



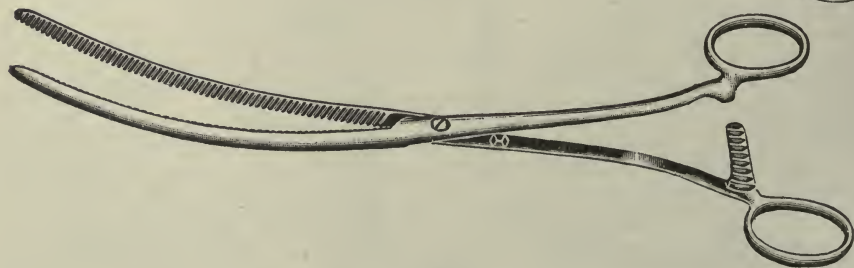
C-5930-5932



C-5936



C-5935

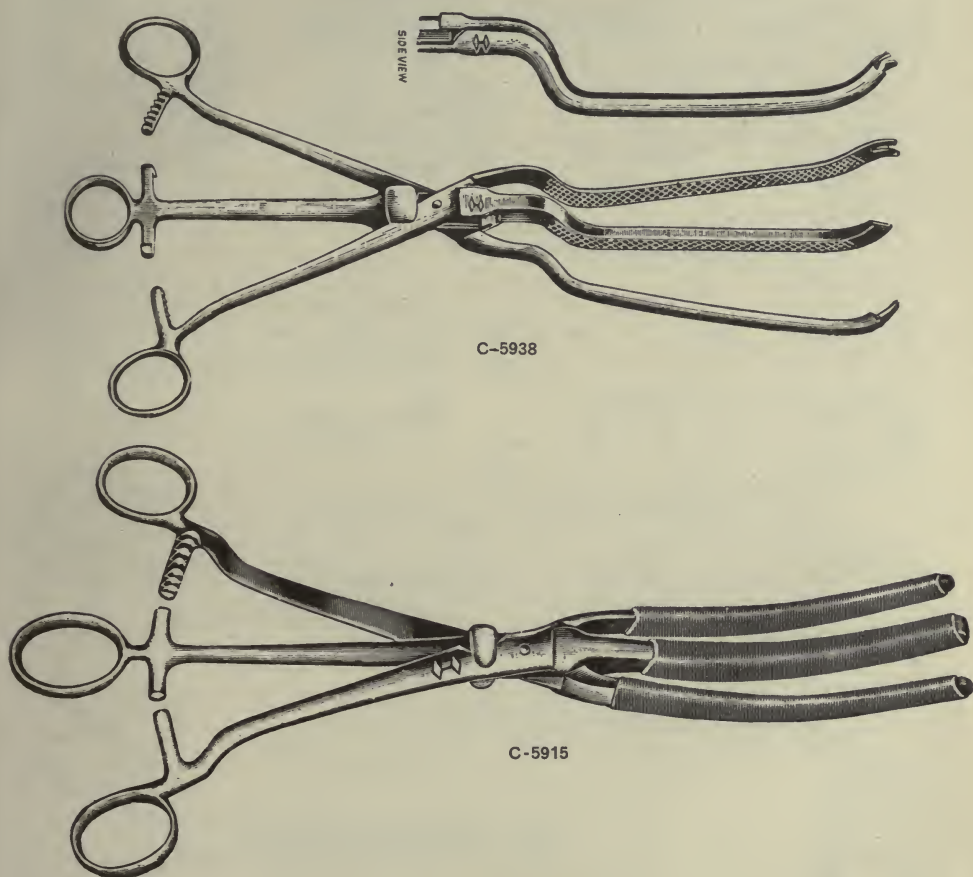


C-5912

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Stomach and Intestinal



CLAMP FORCEPS.

C-5909 Linhardt's, combination, light, transverse serrations	\$10 00
C-5912 Mayo-Robson's, curved, light, cross serrations	3 00
*C-5910 Moynahan's, straight, fenestrated	3 25
C-5915 Roosevelt's, double clamp	12 00

This clamp consists of three parts—a central blade and two lateral blades. The lock is a double Collins, permitting of easy separation and removal of the blades.

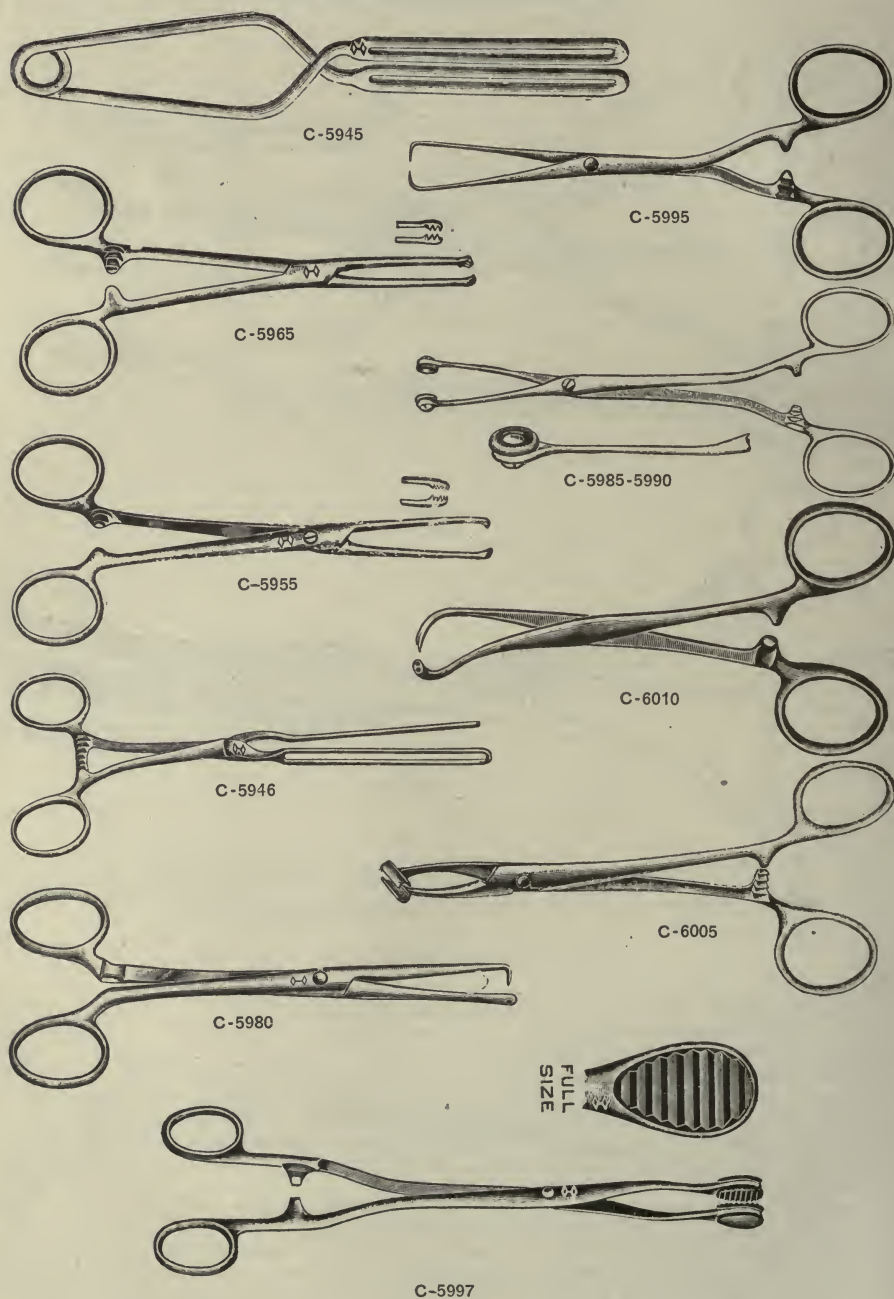
It is designed for use in suture anastomotic work. It was originally intended for use in the operation of gastroenterostomy, but it will probably prove equally as efficient, if not more so, in enteroenterostomy.

C-5930 Scudder's, gastro-enterostomy, 9 inches long, fenestrated	3 50
C-5932 Scudder's, gastro-enterostomy, 9 1/4 inches long, fenestrated	3 50
C-5935 Scudder's, stomach clamp, straight, 14 inch, with clamp screw	6 00
C-5936 Scudder's, stomach clamp, curved, 14 inch, with clamp screw	6 50
C-5938 Thomas', (J. Lynn), three bladed	15 00

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Stomach and Intestinal



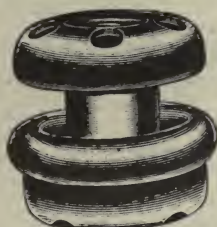
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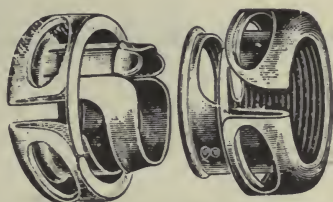
Stomach and Intestinal



C-5950



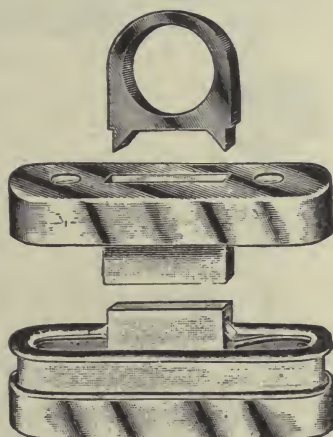
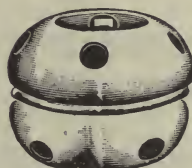
C-6045



C-6020



C-6035



C-6040

CLAMPS, INTESTINAL.

*C-5940	Ferguson's	\$2 00
C-5945	Knapp's, 7 inch	1 25
C-5946	Kocher's, screw lock, 7¼ inch....	2 25
C-5950	Murphy's	1 25

FORCEPS, INTESTINAL AND PERITONEAL.

C-5955	Allis', aseptic or screw lock, end teeth	2 00
C-5965	Allis', box joint, end teeth	2 50
C-5980	Allis', tack, improved model	2 00
C-5985	Barrett's, soft rubber jaws, 6¼ inch	3 25
C-5990	Barrett's, soft rubber jaws, 8¼ in	3 75
*C-5992	Barrett's, soft rubber jaws, spring	2 50
C-5995	Bernay's, tack	1 75
C-5997	Child's, traction, soft rubber jaws, 9¾ inch	2 25
C-5998	Lower's, vessel clamp, kidney ...	5 00
C-6000	Murphy's, button, circular jaw ..	1 75
C-6005	Pratt-Smith's, T shape	1 75
*C-6007	Schoenberg's, viscera, 7½ inch....	3 50
C-6010	Smith's, marginal tenaculum	1 75

ANASTOMOSIS BUTTONS.

*C-6015	Frank's, bone, 3 sizes, small, \$1.50; medium, \$2.00; large	2 50
C-6020	Jaboulay-Lumiere's, 3 sizes..each	5 00
*C-6030	Murphy's, for draining the gall bladder, 1 size	2 50
C-6035	Murphy's, regular, 4 sizes, per set of four, \$5.00; each	1 50
C-6040	Murphy's, oval, gastro-enterostomy, 1 size	5 00
C-6045	Murphy's, round, gastro-enterostomy, 1 size	2 50



C-6000



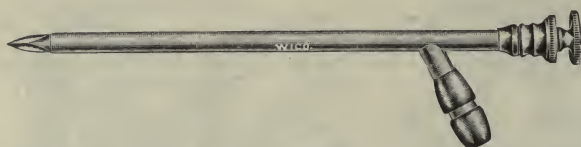
C-5998

Dr. Murphy's latest button for gastro enterostomy is made in one size only. The male and female end of buttons are of the same size as the regular No. 3, the spring collar extending over the edge the size of the No. 4. It eliminates all danger of the button slipping back into the stomach.

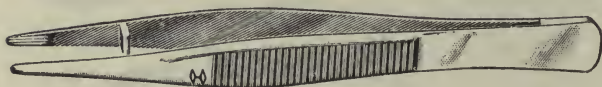
QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

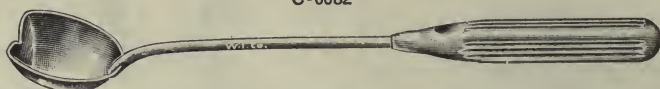
Intestinal and Gall Bladder



C-6092



C-6082



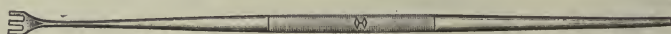
C-6078



C-6090



C-6066



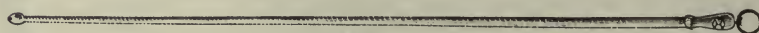
C-6096



C-6084



C-6085



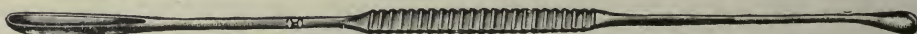
C-6062



C-6064



C-6065



C-6070

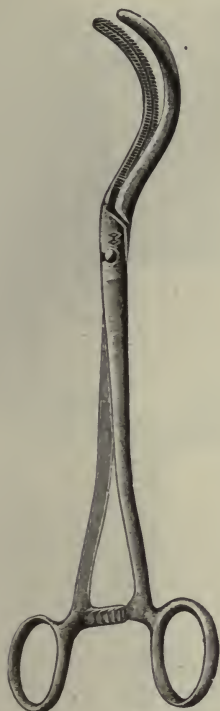


C-6075

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Intestinal, Gall Bladder and Nephrectomy



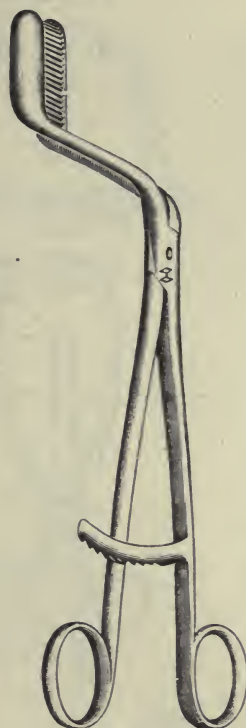
C-6089



C-6050



C-6087



C-6060

INTESTINAL.

C-6082	Forceps, Van Meter's, tucking, appendix	\$1 75
C-6085	Packer, Kelly's, trident	50
C-6090	Replacer, Richardson's, bowel	2 50
C-6084	Tucker, Barrett's, appendix	50
C-6095	Tucker, Mayo-Boldt's, for tucking the cuff of the appendix	50
C-6096	Tucker and Packer, Mayo-Kelly's	75

GALL BLADDER.

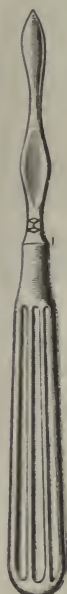
C-6050	Forceps, Blake's, gall stone	2 50
C-6055	Forceps, Collins', gall duct	3 50
C-6060	Forceps, Murphy's, gall duct	3 50
C-6.62	Probe, Faenger's, spiral, gall duct	1 00
C-6064	Probe and Scoop, Moynihan's, block tin	1 00
C-6065	Scoop, Ferguson's, double ended, 3 sizes each	1 25
C-6066	Scoop, Franklin's, double ended, 1 size	1 75
C-6070	Scoop, Mayo's, double ended, 1 size	1 75
C-6075	Scoop, Mayo-Robson's, steel	2 00
C-6078	Spoon, Moore's, gall stone	3 00
C-6092	Trocar, Ochsner's, for draining the gall bladder	1 50

NEPHRECTOMY.

C-6086	Elevator, Tuffier's	1 50
C-6087	Forceps, Lower's, elevating	6 00
C-6088	Forceps, Lower's, vessel clamp (see C-5998)	5 00
C-6089	Forceps, Stille's, clamp	5 00
*C-6091	Retractor, Morris', blades 3x4 cm.	4 25
*C-6093	Retractor, Morris', blades 4½x5 cm.	4 25
*C-6094	Retractor, Morris', blades 5½x6½ cm.	4 50
*C-6097	Spatula, Legueu's	2 25
*C-6098	Spatula, Tuffier's	75

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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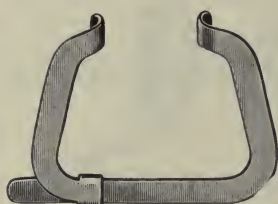


C-6086

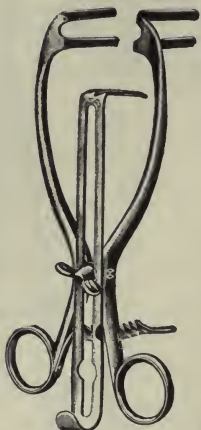


C-6055

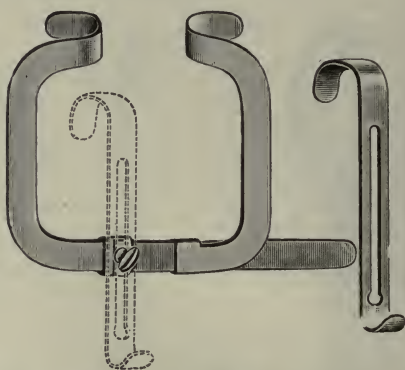
Intestinal and Gall Bladder



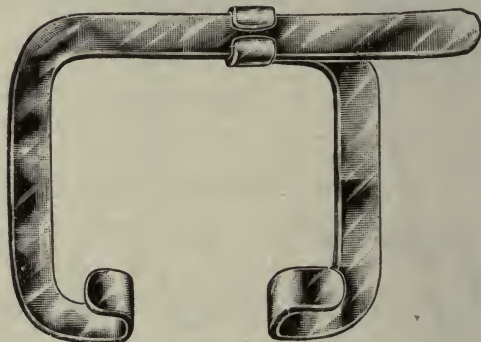
C-6125



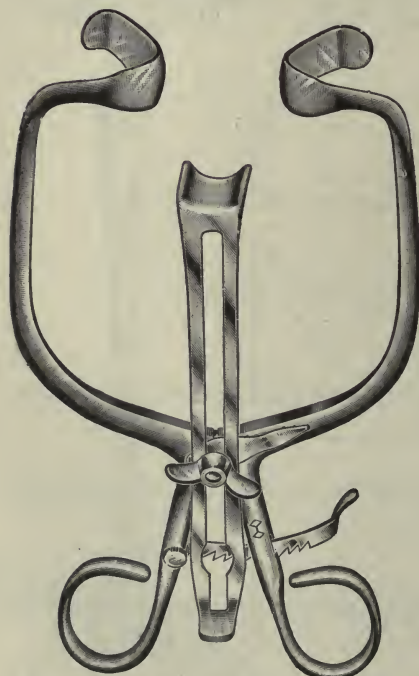
C-6112



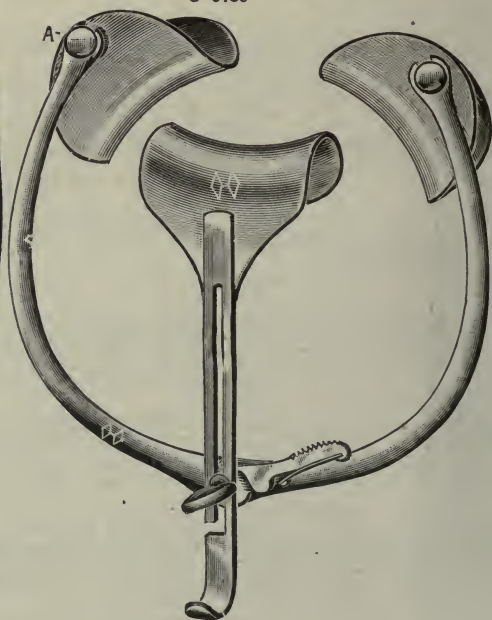
C-6135



C-6130



C-6120



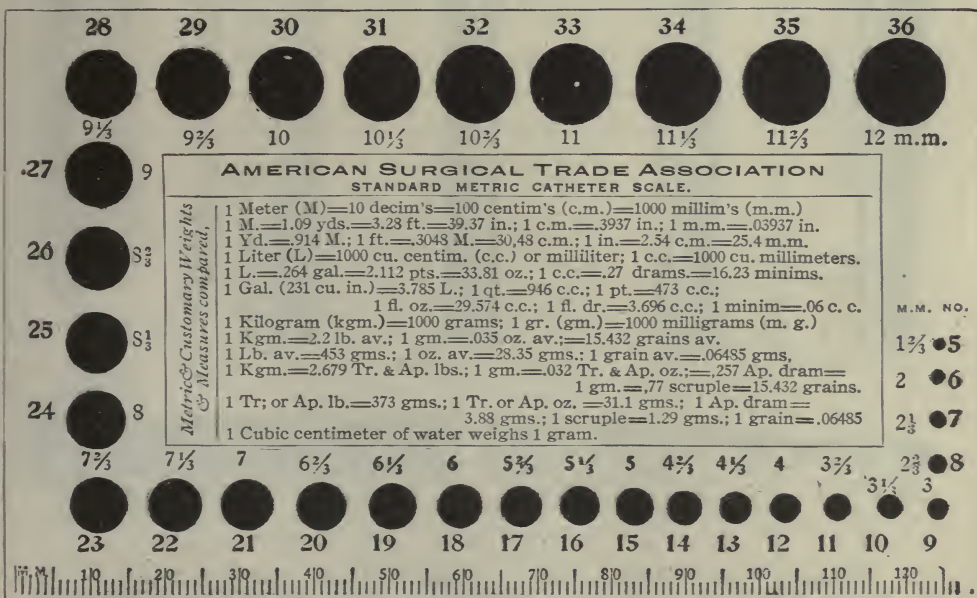
C-6140

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

*C-6100	Collins', fenestrated, per pair	\$1 25
*C-6102	Donoghue's	3 00
*C-6105	Doyen's, steel, thin blade	3 00
*C-6110	Mayo's, small, self retaining, 2 blades	4 50
*C-6112	Mayo-Collin's, small, self retaining, 3 blades	5 50
*C-6115	Mayo-Simpson's, large, self retaining, 2 blades	7 50
*C-6120	Mayo-Collins', large, self retaining, 3 blades	8 00
C-6125	Spark's, appendectomy, self retaining	4 50
C-6130	Spark's, abdominal, self retaining, 2 blades	4 50
C-6135	Spark's, abdominal, self retaining, 3 blades	5 00
C-6140	Webster's, abdominal, self retaining, 3 blades	8 00

These retractors will be found especially useful in intestinal, gall bladder and stomach work. Full description and illustrations of these and other retractors will be found in section B, pages 110, 111, 112 and 113.

Rectal	Prostatic
Phimosis	Vesical
Urethral	Ureteral
Instruments	



The scale adopted by the American Surgical Trade Association, for urethral dilating instruments.

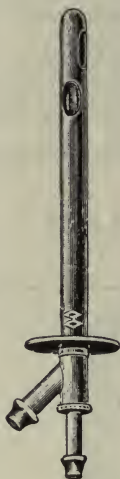
Rectal Instruments



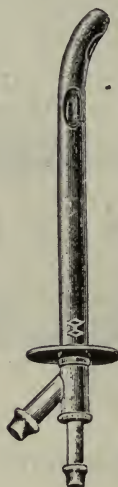
D-75



D-55



D-85



D-65



D-50



D-135



D-140



D-145



D-122



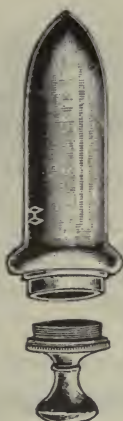
D-15

QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Rectal Instruments



D-30



D-35



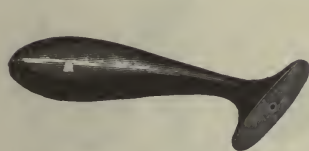
D-46



D-32



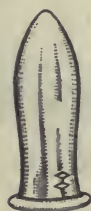
D-120



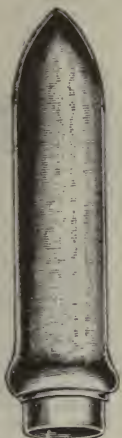
D-95



D-100



D-25



D-40

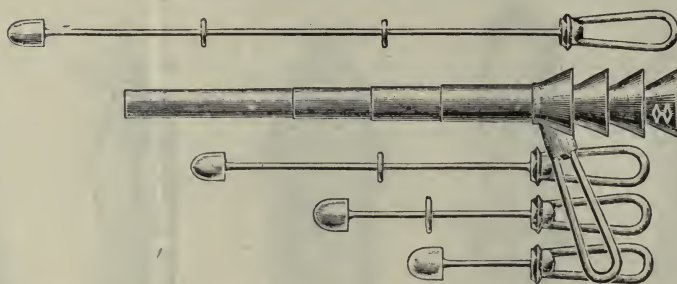


- | | | |
|--------|---|-----------|
| *D-1 | Bougie, rectal, elastic web, conical | \$0 90 |
| *D-5 | Bougie, rectal, elastic web, cylindrical | 75 |
| *D-10 | Bougie, rectal, elastic web, olive point | 90 |
| D-15 | Bougie, rectal, Wales', soft rubber, olive point, \$1.50 to | 2 50 |
| *D-20 | Dilator, Boeckel's, metal, 5 sizes | each 1 25 |
| D-25 | Dilator, glass, 3 sizes | each 35 |
| D-30 | Dilator, Kelly's, conical, sphincter | 3 00 |
| D-32 | Dilator, Manz's, 4 sizes | each 1 25 |
| D-35 | Dilator, Pratt's, plain, metal, 6 sizes | each 1 25 |
| D-40 | Dilator, Pratt's, improved, 6 sizes | each 1 50 |
| D-46 | Dilator, Young's, hard rubber, 4 sizes, each \$1 00; set of 4 sizes | 3 00 |
| *D-48 | Dilator, Young's, Perfection, hard rubber, 4 sizes, each \$1 00; set of 4 sizes | 3 00 |
| D-50 | Douche, Chetwood's, glass | 60 |
| D-55 | Douche, Cole's, sigmoid | 1 00 |
| D-65 | Douche, Guitera's, metal | 1 75 |
| *D-70 | Douche, Haslam's, Perfection, glass | 1 00 |
| D-75 | Douche, Jennison's, metal | 1 25 |
| *D-80 | Douche, Kemp's, glass | 1 00 |
| D-85 | Douche, Kemp's, metal | 1 50 |
| D-95 | Pile Pipe, Bolton's, hard rubber, \$.50; aluminum | 1 00 |
| D-100 | Pile Pipe, curved, hard rubber | 75 |
| *D-105 | Pile Pipe, hammer shaped, hard rubber | 1 25 |
| *D-110 | Pile Pipe, olive, double, hard rubber | 75 |
| D-120 | Pile Pipe, Seeley's, for ointment | 50 |
| D-122 | Rectal Tube, Haslam's, metal, spiral, can be sterilized by boiling; especially adapted for warm, dry climates | 2 00 |
| D-135 | Rectal Tube, soft rubber, open end | 75 |
| D-140 | Rectal Tube, soft rubber, open side | 75 |
| D-145 | Rectal Tube, soft rubber, open end and side | 75 |
| *D-150 | Rectal Tube, Turck's, double channel | 2 00 |
| *D-155 | Rectal Syringe, Gant's, for ointment | 2 50 |
| *D-160 | Rectal Syringe, hard rubber, 1 oz., \$.50; 2 oz., \$.75; 3 oz., \$1.00; 4 oz. | 1 25 |
| *D-165 | Rectal Syringe, McElroy's, glass, 1 oz., \$.50; 1½ oz., \$.75; 2 oz., \$1.25; 3 oz. | 1 25 |

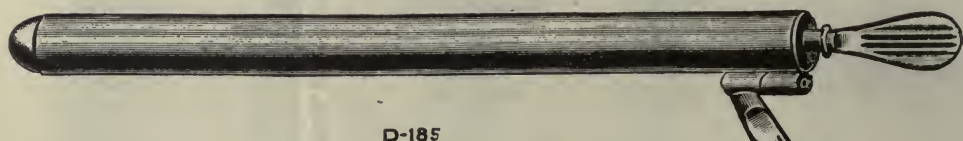
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Rectal Instruments



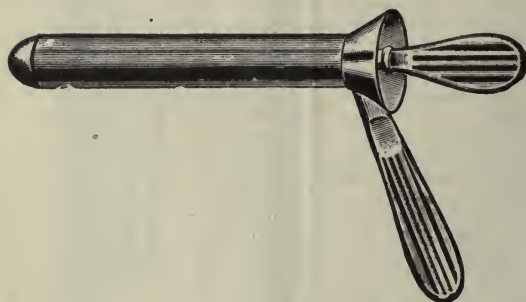
D-194



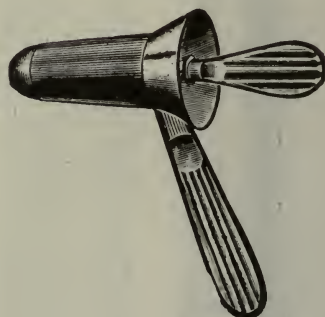
D-185



D-180



D-175



D-190

PROCTOSCOPES.

D-175	Kelly's, 14 cm. long, 22 mm. in diameter	\$3 00
D-180	Kelly's, 20 cm. long, 22 mm. in diameter	3 50
D-185	Kelly's, sigmoidoscope, 43 cm. long, 22 mm. in diameter	4 00
D-190	Kelly's, sphincteroscope, conical, 5 cm. long	3 00
*D-192	Martin's, set of 3, with 1 hard rubber obturator	9 00
D-194	Murphy's, set of 4, telescopic, with 1 handle and 4 obturators	6 50

These proctoscopes will be found especially useful in examining the colon, as they telescope one into the other, increasing their length up to that of the longest proctoscope, without reintroduction.

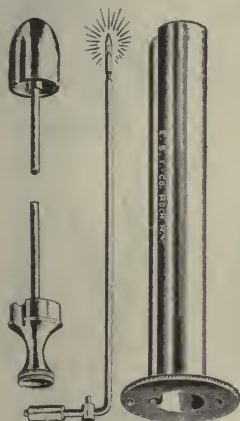
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Rectal Instruments



D-201



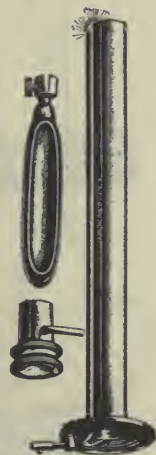
D-196



D-204



D-202



D-198

Electrically Lighted Rectal Instruments

D-196. THE E. S. I. CO.'S PROCTOSCOPE.

This instrument is made in five sizes, Nos. 45, 50, 55, 60 and 65 French scale. Any of these sizes may be had in three lengths, 8, 15 or 20 cm. The lamp carrier and lamp are carried in an auxiliary tube, out of the line of vision, which prevents the breaking of the lamp with instruments in use and eliminates annoying glare and reflections.

Price, complete with light carrier, any sizenet \$6 75

Price, without light carriernet 4 50

Price, light carrier onlynet 2 25

D-198. THE "JAMES P. TUTTLE PNEUMATIC PROCTO-SIGMOIDOSCOPE.

This instrument, we believe, is the most practical one ever introduced for the diagnosis of rectal troubles. The dilating feature of it is both novel and practical. A slight pressure of the bulb inflates the rectal ampulla so that the whole rectum can be seen, and permits the instrument to be carried up as high as the sigmoid flexure without touching the rectal walls or causing the least traumatism to the parts.

It is made in one size, No. 57 French scale and in two lengths, 4 and 10 inches. These sizes have been found to be the most suitable for general work.

Proctoscope, size 57 French, length 4 inches, completenet \$14 00

Sigmoidoscope, size 57 French, length 10 inches, completenet 16 00

The complete instrument carries with it an obturator, window, light carrier with extra lamp, dilating bulb and detachable handle.

D-201. BRINKERHOFF'S RECTAL SPECULUM.

Is made in three sizes, No. 1, 4 inches long x $\frac{7}{8}$ inch outside diameter; No. 2, 4 inches long x 1 inch outside diameter; No. 3, $4\frac{3}{4}$ inches long x $1\frac{1}{8}$ inches outside diameter.

Price, any size, complete with light carriernet \$6 50

D-202. COOK'S RECTAL SPECULUM.

This well known instrument needs no description. The lamp is attached to the center of the lower blade and illuminates the cavity evenly with a powerful white light which shows the tissues in their natural colors.

Price, complete with light carriernet \$8 00

D-204. PRATT'S RECTAL SPECULUM.

The lamp in this instrument is so located as not to interfere either with vision or with the use of the instruments and gives a steady, strong illumination.

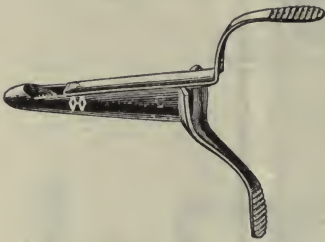
Price, complete with light carriernet \$5 50

The instruments illustrated above are made by the Electro Surgical Instrument Co. of Rochester, New York, which guarantees correct design and proper construction.

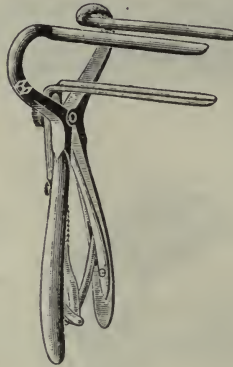
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Rectal Instruments



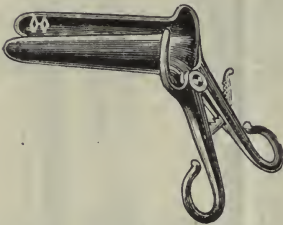
D-210



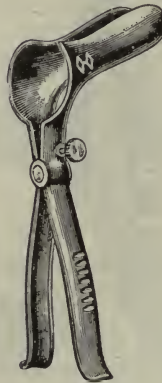
D-215



D-265



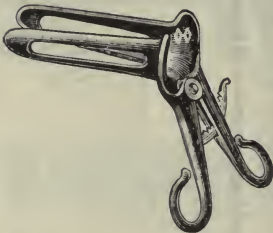
D-220



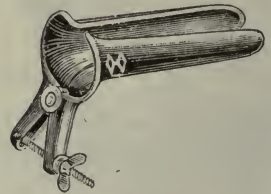
D-255



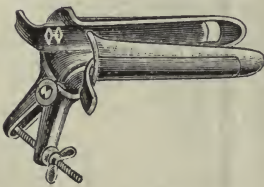
D-205



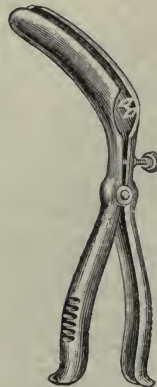
D-225



D-250



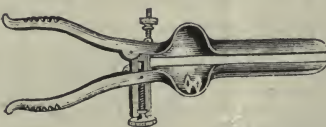
D-230



D-260



D-270



D-216

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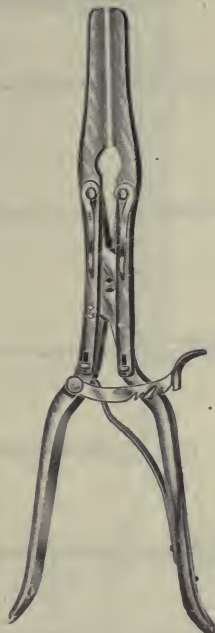
Rectal Instruments



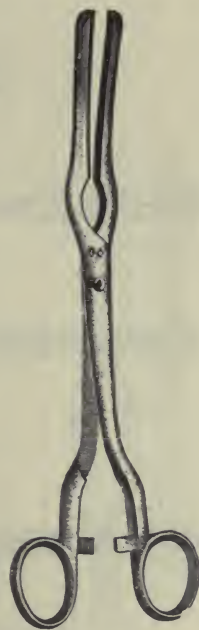
D-300



D-275



D-305



D-290

SPECULUMS.

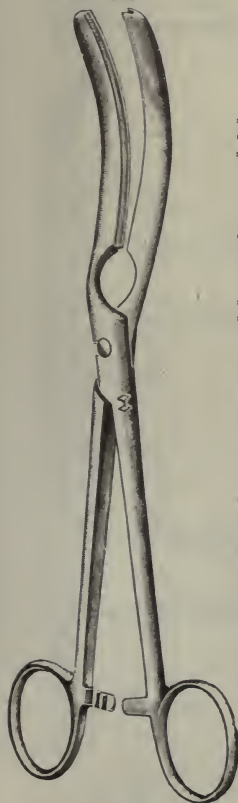
*D-206	Aloe's, small	\$3 50
*D-207	Aloe's, medium	3 50
*D-208	Aloe's, large	3 50
D-205	Bodenhamer's	1 50
D-210	Brinckerhoff's, 3 sizes	each 3 50
D-215	Cook's, forged steel	7 50
D-216	De Vilbiss', opening parallel ..	1 75
*D-218	Gant's, operating	7 00
D-220	Gant's, plain	3 75
D-225	Gant's, fenestrated	3 75
D-230	O'Neil's, fenestrated with slides	2 75
*D-235	Pennington's, plain	2 50
*D-240	Pennington's, with irrigating attachment	3 50
D-250	Plain, bivalve	2 50
D-255	Pratt's, small and large	each 2 00
D-260	Pratt's, sigmoid	2 00
D-265	Sims', plain	1 50
D-270	Sims', fine steel, fenestrated blades	3 75

CLAMPS.

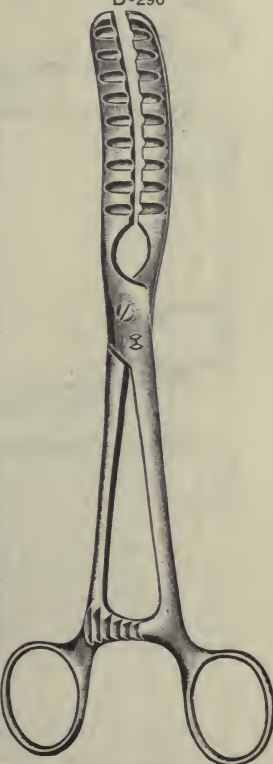
*D-272	Cook's, A. B. (Nashville)	3 50
D-275	Cook's	5 00
*D-280	Earle's	2 75
*D-285	Gant's, steel	5 50
D-290	Jarvis'	2 75
*D-295	Jones', ivory faced	5 00
D-300	Kelsey's	4 00
D-302	McLain's	4 00
D-304	Matthew's	4 00
D-305	Murray's, parallel pressure	10 00
*D-310	Oviatt's, heavy, angiotriptic ..	6 75
*D-315	Smith's, ivory faced	4 50

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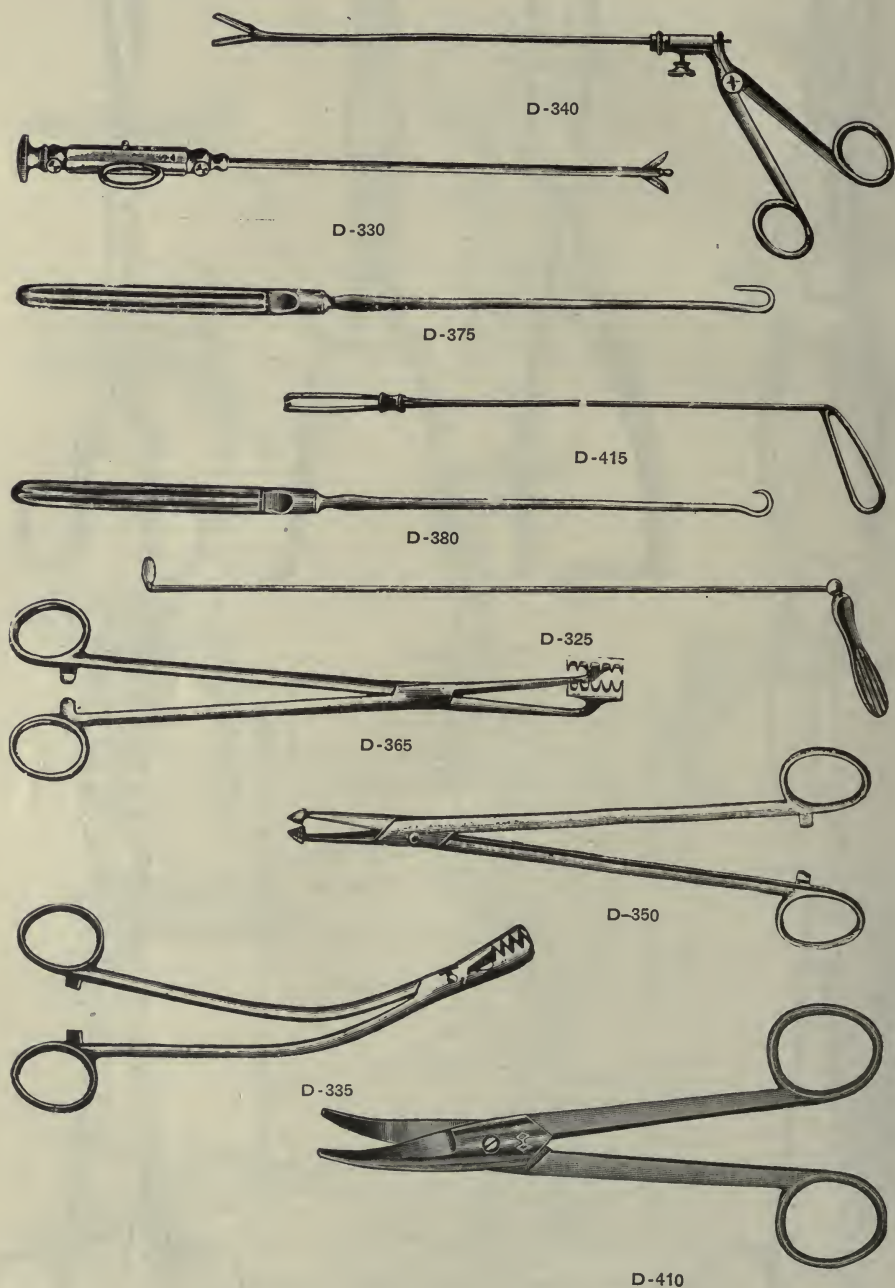


D-304



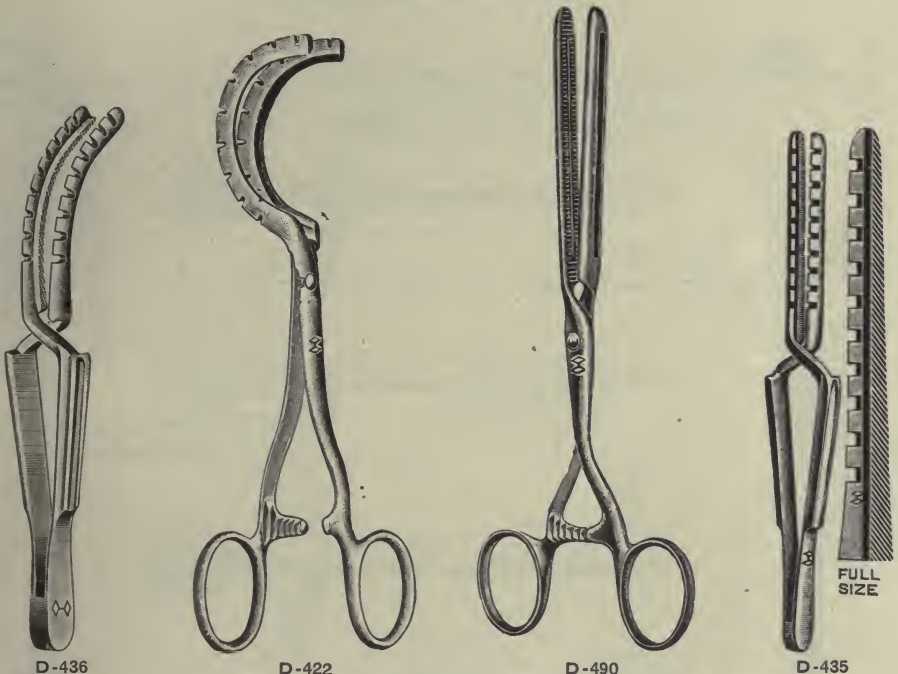
D-302

Rectal Instruments



QUALITY GUARANTEED.—Specify section letter and number in ordering.
 A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Phimosis Instruments



SUNDRY RECTAL INSTRUMENTS.

*D-320	Applicator, Kelly's	\$0 50
D-325	Curette, Kelly's	1 50
D-330	Fistulatome, Matthew's	5 00
D-335	Forceps, Gant's	3 50
D-340	Forceps, Kelly's, with alligator jaw	6 50
*D-345	Forceps, Pennington's, with clamp for Huston's valve	10 00
	Extra clamps	each 2 50
D-350	Forceps, Pratt's, packing	2 00
*D-355	Forceps, Pratt's, T shaped, straight	1 50
*D-360	Forceps, Pratt-Smith's, T shaped, straight	1 75
D-365	Forceps, Tuttle's	3 00
*D-370	Hook, Edwards', sharp	75
D-375	Hook, Edwards', blunt	75
D-380	Hook, Pratt's, sharp	50
*D-385	Hook, Pratt's, blunt	50
*D-390	Hook, Rorick's, barbed	1 00
*D-395	Hook, Rorick's, plain, blunt or sharp	50
*D-400	Probe, plated, with handle	50
*D-405	Probe, silver, with handle	1 00
D-410	Scissors, Murray's, curved on flat, with Mayo dissecting blades, 5½ in., \$1.50; 6½ in.	1 75
D-415	Sponge Holder, Kelly's	1 25

PHIMOSIS FORCEPS.

D-422	Baird's, 3 sizes	each 2 50
*D-424	Girdner's, prepuce dilator	1 50
D-435	Haslam's, straight, for bloodless operation	2 25
D-436	Haslam's, curved, for bloodless operation	2 50

The Haslam forceps are applied after the membrane has been drawn forward. Long ligatures are run through the cross notches allowing at least ten inches of ligatures to extend on each side. The prepuce is then removed with either scissors or knife, a probe is introduced under the ligatures between the two mucous surfaces, the ligatures raised up so as to leave about five inches on each side of the prepuce, they are then cut where the probe crosses them, leaving ligatures for each side which are then tied. The forceps act as a haemostat and are not removed until the operation is complete.

*D-480	Knox's	2 75
*D-485	Levis', prepuce dilator	2 00
D-490	Ricord's	2 25
D-495	Skillem's, straight	1 75
*D-500	Skillem's, curved	1 75

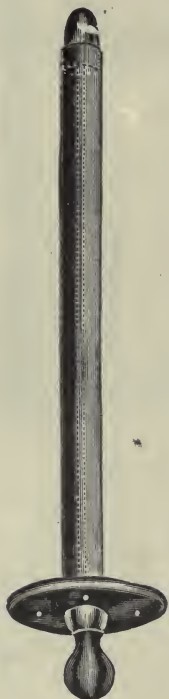
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Urethral Instruments

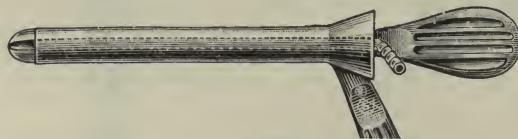


D-533

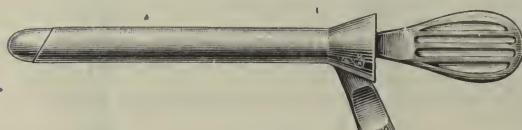
D-532



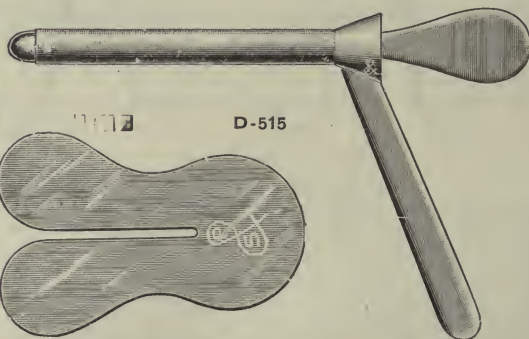
D-525-530



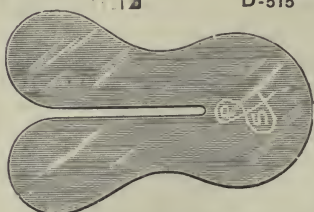
D-510



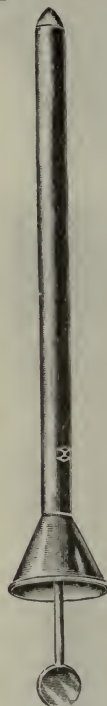
D-520



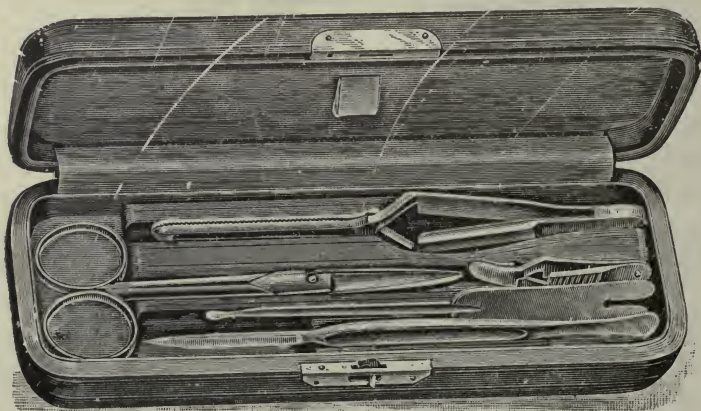
D-515



D-420



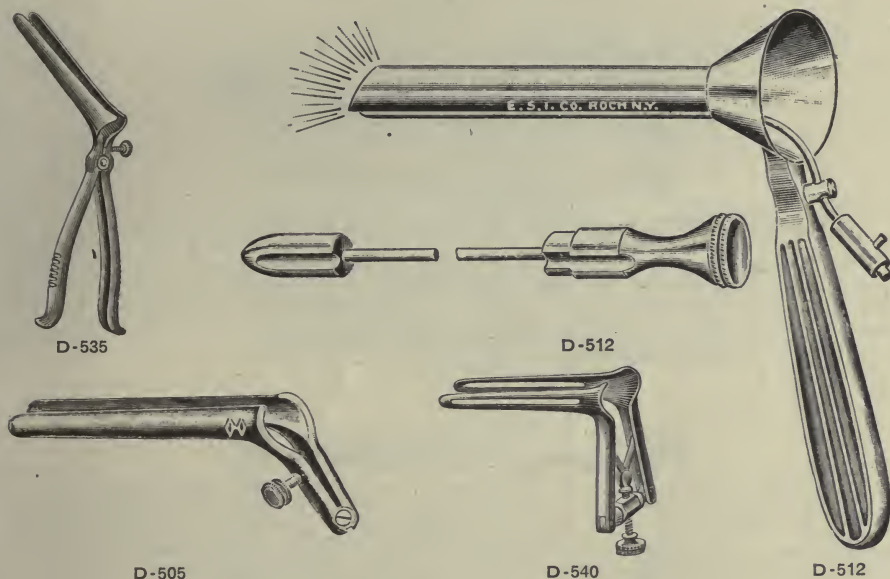
D-534



D-430

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on items marked net.

Urethral Instruments



PHIMOSIS.

D-420	Circumcision Shield, plated	\$0 50
D-430	Clark's Phimosis Set, complete in case	7 50

ENDOSCOPES.

D-512	Kelly's, electrically lighted, 3 sizes, 28, 30 and 32 French scale, complete with obturator and light carrier	each 7 00
-------	---	-----------

In this instrument the light carrier is fastened with a pin on the handle of the visual end of the tube. An auxiliary tube is attached to the cylinder of the cystoscope for the reception of the light carrier and lamp.

D-510	Kelly-Gargean's, with drain	1 75
D-515	Kelly's, 16 sizes, 5 to 20 mm. diameter	each 1 50
D-520	Kelly's, oblique end, 16 sizes, 5 to 20 mm. in diameter	each 1 50
D-525	Klotz's, plated, sizes Nos. 20, 22, 24 and 26 French	each 1 25
D-530	Klotz's, silver, sizes Nos. 20, 22, 24 and 26 French	each 2 50
D-532	Murphy's, straight, short	3 00
D-533	Murphy's, curved, long	5 00
D-534	Otis', plated, sizes Nos. 20, 22, 24 and 26 French	each 1 00

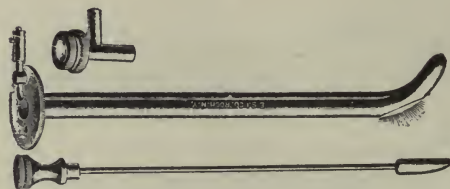
SPECULUMS.

*D-502	Brown's	2 50
D-505	Caro's	1 00
D-535	Pratt's	1 75
D-540	Sampson's	1 75
*D-545	Skene's, bivalve	2 00
*D-548	Smith's, urethroscope	1 50

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Urethral Instruments

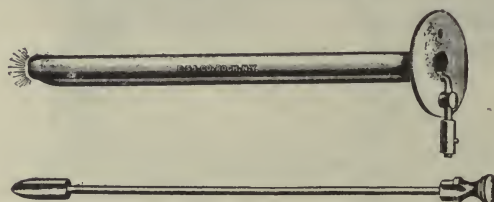


D-536. GEO. K. SWINBURNE'S POSTERIOR URETHRASCOPE.

The instrument consists of a catheter shaped tube, 16 centimeters long, with auxiliary tube on the upper side for the reception of the light carrier and lamp. It is made in three sizes, 22, 24 and 26 French scale, and is 16 cm. long.

Price, complete with obturator and light carriernet \$8 00

Price, complete with window and dilating bulbsnet 12 00

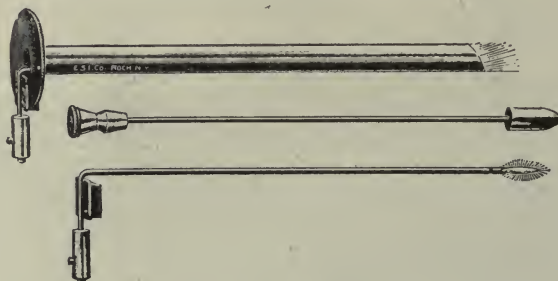


D-537. HENRY KOCH URETHRASCOPE.

This instrument is made in all sizes, French scale, both odd and even numbers from 18 to 33, and in three lengths, 8, 12 and 15 cm, the 15 cm. tube being the one most commonly used. The tube has an auxiliary tube for the reception of the light carrier, offering an uninterrupted lumen for the view or the use of instruments and applicators.

Price, complete with obturator and light carrier, any sizenet \$5 75

Price, light carrier onlynet 2 25



D-538. J. C. VALENTINE'S URETHRASCOPE.

This instrument is perfectly round and, after introduction, the obturator is withdrawn and the light carrier placed in position. They are made in seven sizes, 20, 22, 24, 26, 28, 30 and 32 French scale and in two lengths, 8 and 15 cm.

Price, complete with obturator and light carriernet \$4 75

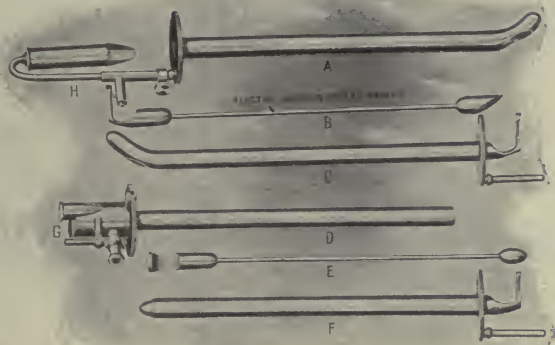
Price, light carrier onlynet 2 25

Special catalogue of electrically lighted instruments mailed upon request. The instruments listed above are made by the Electro Surgical Instrument Co. of Rochester, New York, which is a guarantee of the correct design and proper construction.

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Urethral Instruments



D-551-554.

Dr. Hugh H. Young's Urethrascopes

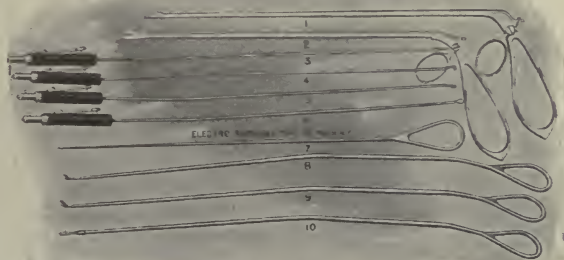
Devised by Dr. Hugh H. Young of Johns Hopkins Hospital, he holding that an external source of light is desirable in order to secure a larger field for observation and intra-urethral operations, so that bleeding will not make any difference with the illumination and that better asepsis will be secured.

Fig. A shows beaked tube with light carrier in position. Fig. B the obturator. Fig. C the beaked tube with obturator in position. Fig. D shows the straight tube with dilating window for air distension attached. Fig. E the obturator and Fig. F the straight tube with obturator in position. Tubes are made in plated metal and silver.

PRICES.

D-551	Young's Urethroscope, straight, sizes 26 and 28 French, each, plated, net	
	\$3 50; silver, net.....	\$8 00
D-552	Young's Urethroscope, beaked, sizes 26 and 28 French, each, plated, net	
	\$6 50; silver, net.....	12 50
D-553	Young's Light Attachment	5 50
D-554	Young's Dilating Window	4 50

DR. HUGH H. YOUNG'S URETHRASCOPIC INSTRUMENTS.



D-556-557-558-559-561-562

This set of intra-urethral instruments is, we believe, the first comprehensive assortment for all kinds of intra-urethral operations. They are made with remarkable delicacy and are yet strong enough to be used forcefully.

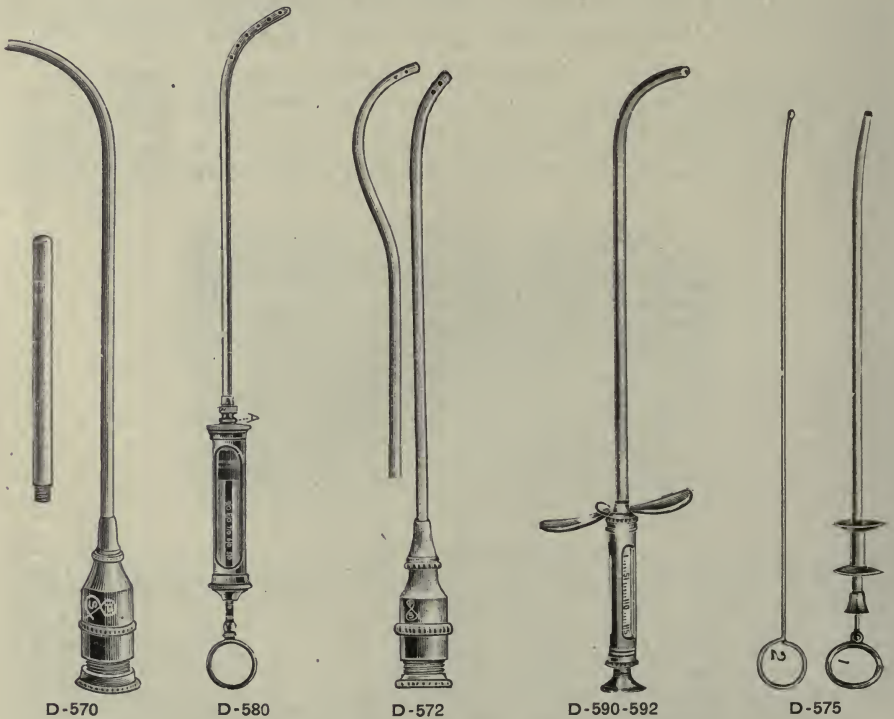
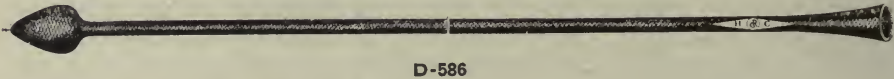
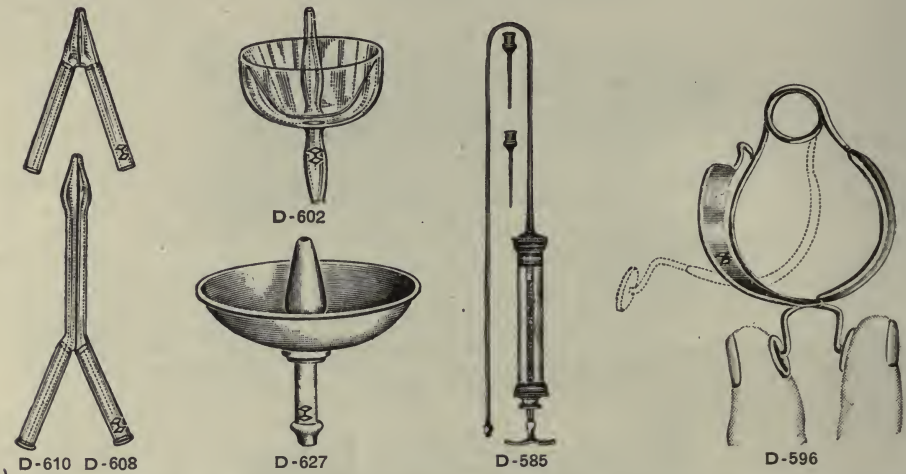
D-556	Young's Intra-Urethral Rongeur, Fig. 1	net 10 00
D-557	Young's Intra-Urethral Scissors, Fig. 2	net 12 00
D-558	Young's Intra-Urethral Cautery Electrodes, Figs. 3, 4, 5 and 6.....	each net 3 50
D-559	Young's Intra-Urethral Probe, Fig. 7	net 1 25
D-561	Young's Intra-Urethral Curettes, Figs. 8 and 9	each net 4 00
D-562	Young's Intra-Urethral Porte Caustique, platinum jaws, Fig. 10.....	each net 8 00

Our space is too limited to give a complete description of these instruments. We will be glad to send Catalogue giving full description on request.

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Urethral Instruments

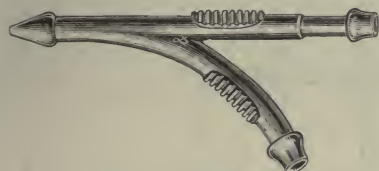


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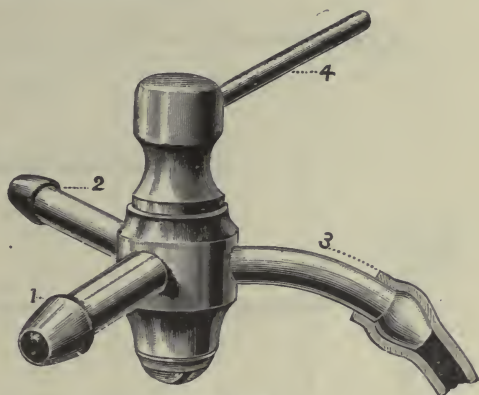
Urethral Instruments



D-665



D-615



D-607

APPLICATORS.

*D-550	Agnew's, caustic, silver	\$4 25
*D-555	Gruenfeld's, brush holder with 3 brushes	1 25
*D-560	Gruenfeld's, caustic holder	1 00
*D-565	Mitchell's, for medicated bougies..	1 75
D-570	Robbin's, for ointment, with straight and curved tips	2 50
D-572	Robbin's, for ointment, with short curve and prostatic tips	2 50
D-575	Rucker's, gauze packer	1 25

SYRINGES.

D-580	Bumstead's, with metal mountings, in box	1 50
*D-582	Bumstead's, with metal mountings in leather case	2 25
D-585	Guyon's, in case with 1 drop tube.	3 00
D-586	Guyon's, drop tube	75
D-590	Keyes-Ulzman's, plated tube	2 00
D-592	Keyes-Ulzman's, silver tube	2 75

CLAMP.

D-596	Smith's, penis, for holding solutions in urethra	1 00
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IRRIGATOR NOZZLES.

*D-600	Berger's	1 25
D-602	Booger's, glass, with shield, 2 1/4, 2 1/2 and 2 3/4 inches.....each	50
*D-605	Collins', double stop cock	1 00
D-607	Haslam's, "Perfection"	1 00
D-608	Janet's, glass, (lower illustration).	35
D-610	Kiefer's, glass, (upper illustration)	25
*D-612	Kiefer's, hard rubber	50
*D-614	Kiefer's, metal	50
D-615	Pancoost's, improved	50
*D-618	Pattee's, Y	40
*D-625	Valentine's, glass, 4 sizes.....each	10
D-627	Wigmore's, with shield.....	1 00

IRRIGATING CUT-OFFS.

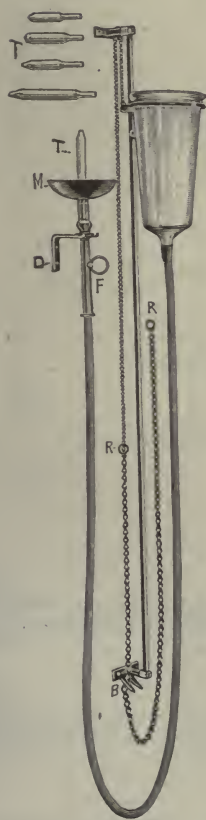
*D-660	Chetwood's, alternating	2 75
D-665	Valentine's, with shield	1 25

IRRIGATING SYRINGES.

D-655	Valentine's, aseptic, 60 cc., \$6.00; 100 cc., \$6.50; 150 cc.....	7 00
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IRRIGATORS.

*D-630	Valentine's, with plain bracket....	4 50
D-635	Valentine's, with sliding metal bracket	5 50
*D-640	Valentine's, with automatic stop pulley	6 50



D-635



D-655

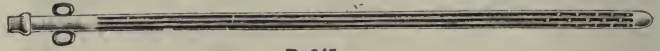
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Urethral Instruments



D-665



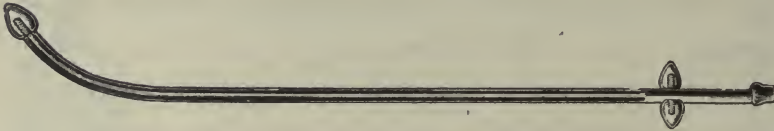
D-645



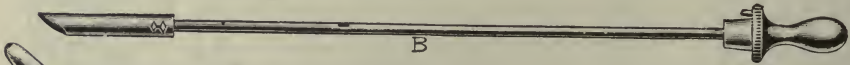
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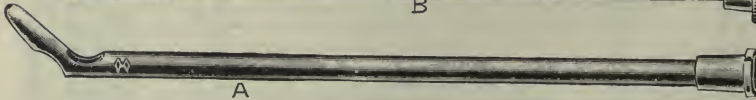
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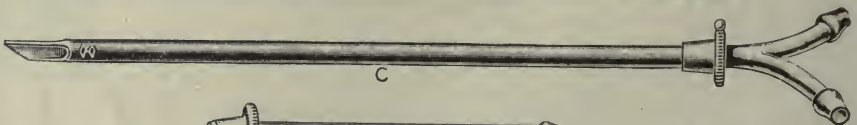
D-660



B



A



C



D

D-628



D-695



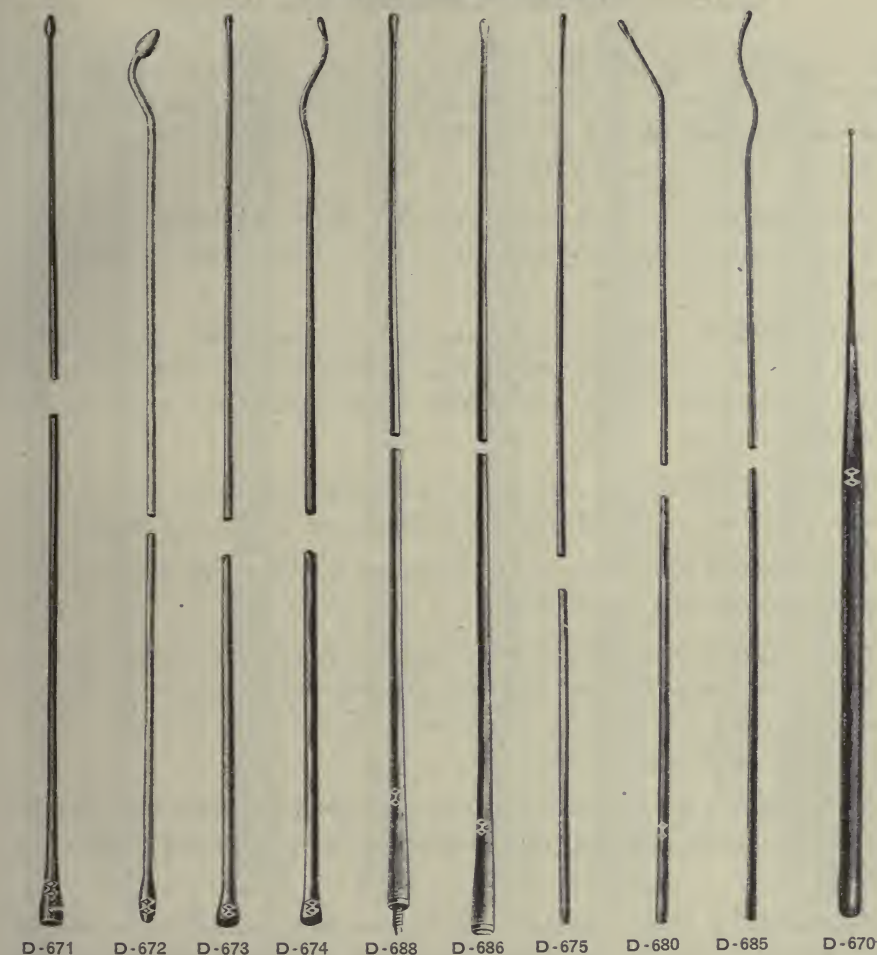
D-690



D-700

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Urethral Instruments



IRRIGATOR.

D-628	Peterkin's, bladder	\$4 00
*D-629	Peterkin's, bladder, extra long	4 50

RETROJECTORS.

D-645	Anglin's, straight	1 00	D-650	Durham's	75
*D-646	Anglin's, curved	1 00	D-655	Johnson's	75
D-660	Pratt's, with 3 sizes of olives				1 00

BOUGIES—EXPLORING.

D-665	Otis', metal, sizes 8 to 40 French	each	20
D-670	Bank's, filiform, whalebone		75
D-671	Gaillard's, with exploring bulb, silk web, sizes 3 to 12 French		75
D-672	Gaillard's, with exploring bulb, silk web, spiral, sizes 3 to 12 French		75
D-673	Gaillard's, filiform, silk web, olive point		60
D-674	Gaillard's, filiform, silk web, spiral, olive point		65
D-675	Gouley's, filiform, whalebone, straight, olive point		20
*D-676	Gouley's, filiform, whalebone, straight, double end, olive point		20
D-680	Gouley's, filiform, whalebone, angular, olive point		25
D-685	Gouley's, filiform, whalebone, spiral, olive point		25
D-686	Le Fort's, filiform, silk web, olive point, female thread	1 00	
D-688	Le Fort's, filiform, silk web, olive point, male thread	1 00	

WEB BOUGIES—DILATING.

D-690	Conical, German make, silken linen, brown	50
D-695	Cylindrical, German make, maco-cotton, black, \$.25; silken linen, brown	35
D-700	Olive Point, German make, maco-cotton, black, \$.40; silken linen, brown	50

These German bougies are of the very best make, are sterilizable, and keep in any climate, will not get sticky, and are very lasting and resisting.

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Gaillard's French Catheters and Bougies

Are made by Léon Gaillard of Paris, France, with works at Altfortville, (Seine) France. They represent the **very best catheters and bougies that can be produced** and are intended for the most discriminating specialists in genito urinary work.

GAILLARD'S Catheters and Bougies are made on scientific principles and in accordance with the suggestions with which eminent specialists have favored us for years.

GAILLARD'S Catheters and Bougies are covered with special gum, which renders them **elastic and flexible**. They present a **uniform surface** and a **glazed finish**. They can **neither cause injuries nor break** during their introduction.

GAILLARD'S Catheters are made with **woven eyes**; they have a **large internal diameter**, a **smooth internal surface**, and a **solid and aseptic end**.

GAILLARD'S Bougies have at the bottom a **conical rim** which is **hermetically closed** with elastic gum.

GAILLARD'S Gummed Silk Web Catheters have the advantage of possessing a **very large internal and even diameter** which permits of **perfect drainage** of the vesical cavity; their strength and great flexibility facilitate greatly their introduction.

GAILLARD'S Gum Catheters and Bougies are guaranteed to withstand the effects of sterilization by repeated boiling or by any other disinfecting process.

GAILLARD'S Gum Catheters and Bougies are guaranteed to remain **non-adhesive**, to **retain their form**, and to **keep in perfect condition** in any country, even under very unfavorable climatic conditions. They are guaranteed to last a long time.

By appointment contractor to the hospitals and medical faculty of Paris; to army, navy, and government offices; the Necker Hospital (Department for the treatment of urinary diseases under Prof. J. Albarran); sole contractor to General Hospital of Mexico; and other hospitals and the medical faculties of France and elsewhere.

GAILLARD'S BOUGIES listed and illustrated on page 343.

GAILLARD'S CATHETERS listed and illustrated on page 354.

GAILLARD'S URETERAL CATHETERS listed and illustrated on page 364.

Urethral Instruments



D-705

D-730

D-735

D-740

D-742

D-744

GAILLARD'S FRENCH BOUGIES.

EXTRA QUALITY

REGULAR GUM ELASTIC WEB BOUGIES

		Each	Doz.
D-735	Conical, sizes 8 to 30 French	\$0 60	\$5 40
D-730	Cylindrical, sizes 8 to 30 French	40	4 00
D-705	Guyon's, exploring, sizes 8 to 30 French	75	7 50
*D-738	Mercier's, coude, sizes 8 to 30 French	60	5 40
D-740	Olivary, sizes 8 to 30 French	60	5 40
D-741	Olivary, rigid shank and flexible end, sizes 8 to 30 French	75	7 20
D-742	Olivary, shotted, sizes 8 to 30 French	80	8 00
D-744	Harrison's, whip end, sizes 8 to 30 French	1 50	16 50

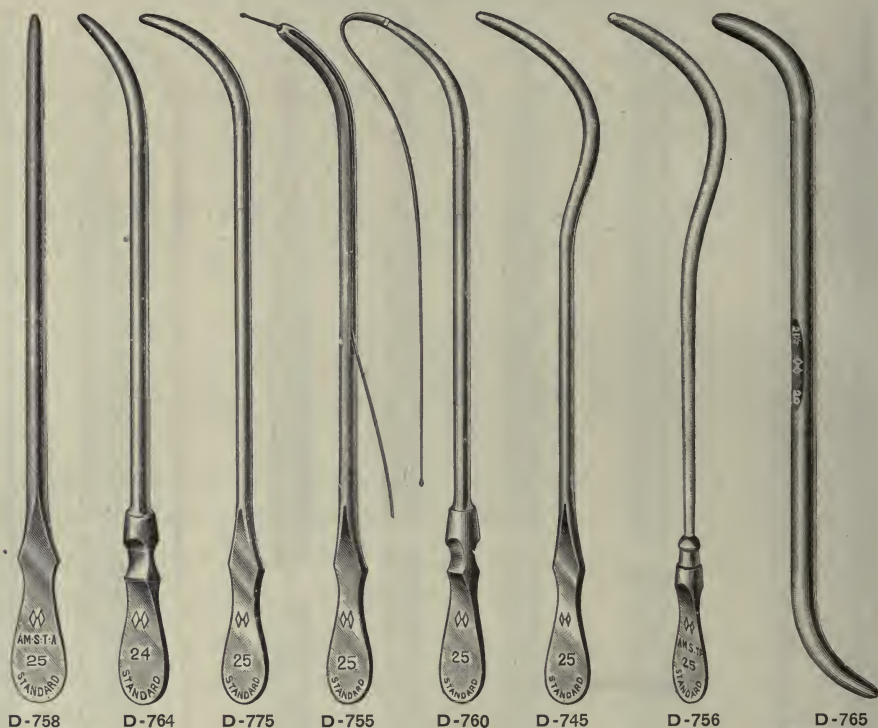
Note.

Every bougie of Gaillard's make is guaranteed free from any defect. They are of extra smooth finish and therefore easier of introduction. They are the ideal bougie for the discriminating specialist and general practitioner.

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Urethral Instruments



DILATING METAL SOUNDS

		One Piece	Two Piece
D-745	Benique's, double curve, 14 to 30 French	\$1 00	\$1 10
*D-748	Fowler's, double end	60	
D-755	Gouley's, tunnelled, for filiform bougies	1 15	1 25
D-756	Ideal, tapering toward the handle, Guyon curve, 8 to 40 French..	1 00	1 10
*D-757	Ideal, tapering toward the handle, Van Buren curve, 8 to 40 French	1 00	1 10
D-758	Jewett's, straight, 8 to 40 French	40	50
D-760	LeFort's, exploring, with filiform guide	2 00	2 10
*D-762	LeFort's, exploring, with filiform guide, extra fine.....	2 50	2 60
D-764	Otis', curved, 8 to 40 French	50	60
D-765	Pratt's, double curved, 16 sizes, male	75	
*D-766	Pratt's, double curved, 16 sizes female	75	
D-775	Van Buren's, curved, 8 to 40 French	50	60
*D-780	Van Buren's, curved, cupped	75	85

Note.

We make our sounds in two patterns, Fig. A, styled the two piece, and Fig. B styled the one piece. All sounds are made up in the French scale as adopted by the American Surgical Trade Association as Standard. See Page 327.



Fig. A

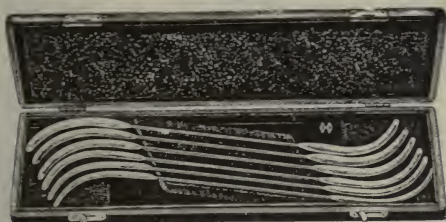


Fig. B

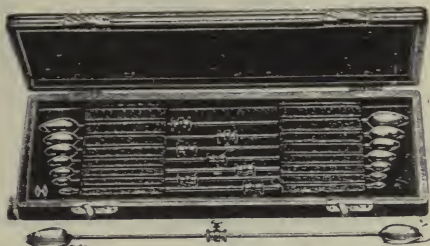
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Urethral Instruments



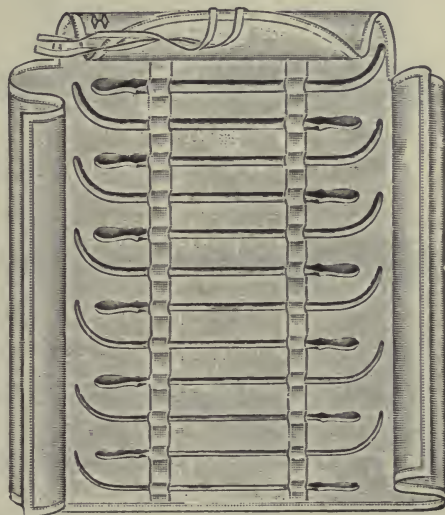
D-810



D-805



D-818



D-792

SOUNDS IN SETS

*D-785	Van Buren's, set of 6 sounds, in leather covered or oak case	\$4 50
*D-786	Van Buren's, set of 6 sounds, in heavy canvas roll	3 75
*D-790	Van Buren's, set of 12 sounds, in leather covered or oak case	7 50
D-792	Van Buren's, set of 12 sounds, in heavy canvas roll	6 50
*D-795	Van Buren's, set of 32 sounds, in leather covered or oak case	20 00
*D-796	Van Buren's, set of 32 sounds, in heavy canvas roll	17 50
*D-800	Otis', set of 32 exploring sounds, in heavy canvas roll	6 00
D-805	Fowler-Otis', set of 8 sounds (16 sizes), in leather covered case.....	3 00
D-810	Fowler's, set of 6 sounds (12 sizes), in leather covered case	3 00
*D-815	Weiss', set of 6 sounds (12 sizes), in leather covered case	3 00
D-818	Kelly's, set of 8 sounds (16 sizes, 5 to 20 mm. diameter), female, in heavy canvas roll	8 00

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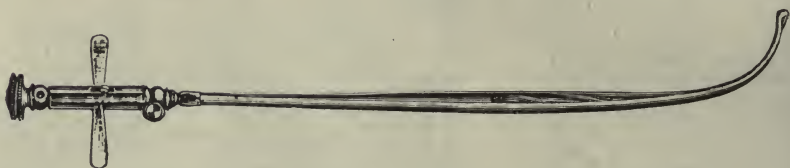
Urethral Instruments



D-825



D-820



D-830



D-895



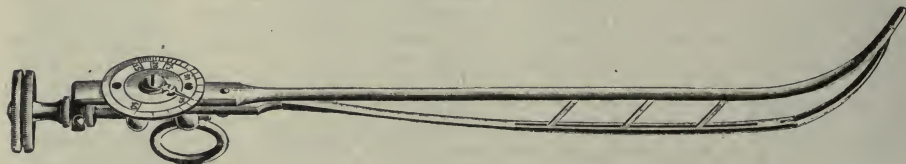
D-832



D-880



D-885

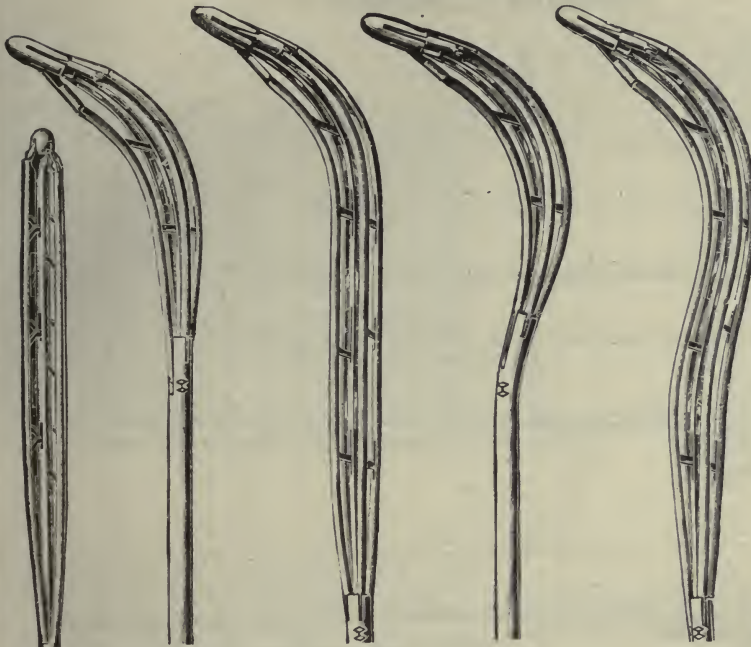


D-890

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Urethral Instruments



D-846

D-851

D-856

D-861

URETHRAMETERS

D-820	Kollman's	\$20 00
D-825	Otis'	12 00

URETHRAL DILATORS

D-830	Gouley's	5 00
D-832	Kollman's, straight, light, No. 18 French.	22 50
D-880	Oberlander's, short, slightly curved.....	13 50
D-885	Oberlander's, long, slightly curved.....	13 50
D-890	Oberlander's, long, Van Buren curve.....	15 00
D-895	Thompson's	7 50

KOLLMAN'S IMPROVED DILATORS

These dilators are made with universal, detachable handles and interchangeable blades. Prices quoted are on the blades only—the handle is extra.

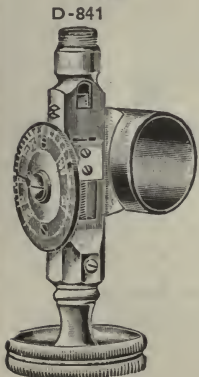
*D-836	Kollman's, straight, short dilating blades	15 00
D-841	Kollman's, straight, long dilating blades.	16 50
D-846	Kollman's, curved, short dilating blades	19 00
D-851	Kollman's, curved, long dilating blades..	24 00
D-856	Kollman's, Guyon curve, short dilating blades	20 00
D-861	Kollman's, Guyon curve, long dilating blades	24 00
D-866	Kollman's, irrigating straight, long dilating blades	30 00
*D-871	Kollman's, irrigating, curved, long dilating blades	36 00
*D-876	Kollman's, irrigating, Guyon curve, long dilating blades	36 00
D-878	Kollman's Universal Handle.....	7 00
D-878a	Kollman - Gentile's Universal Handle, gold plated circular dial, graduated in metric scale from No. 44 to No. 90	10 50
*D-879	Kollman Covers, Rubber, for Kollman old style dilators.....per dozen	3 00

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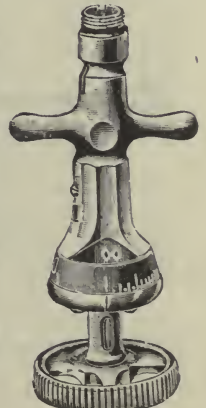
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D-866

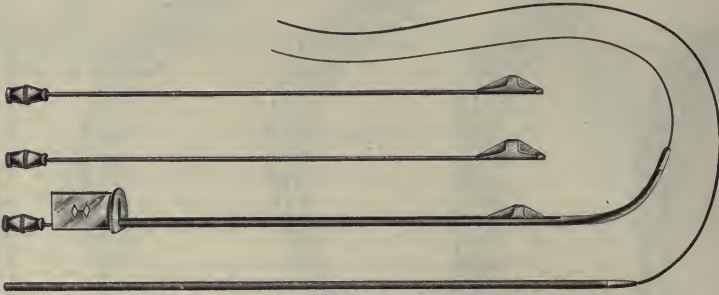


D-878

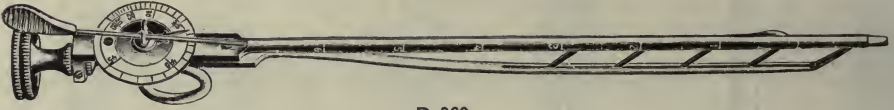


D-878a

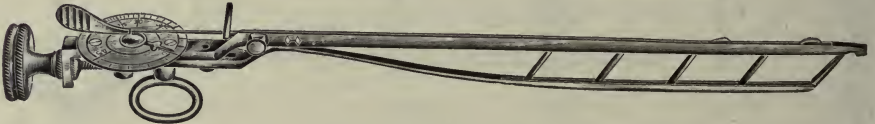
Urethral Instruments



D-935-940



D-960



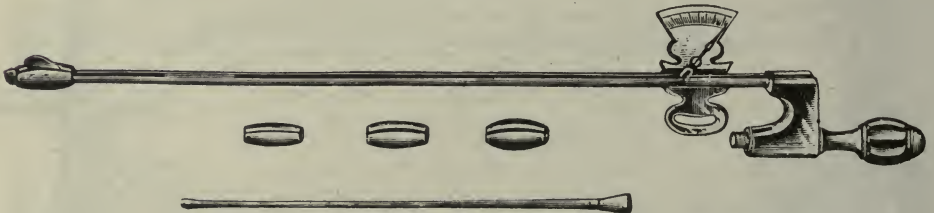
D-975



D-985



D-958

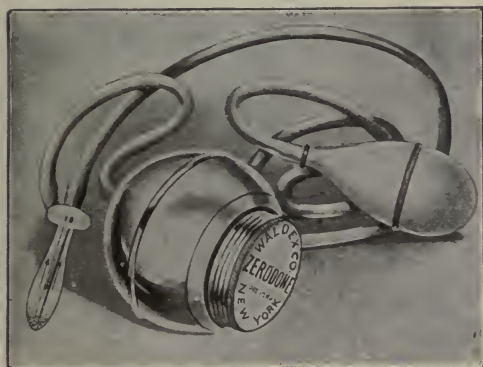


D-955

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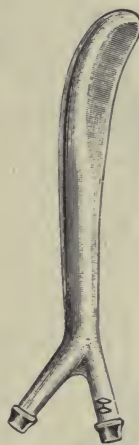
Prostatic Instruments



D-1016-1017-1018



D-990



D-1000



D-995

MEATOTOMES

*D-900	Bierhoff's, concealed, with gauge.....	\$7 50
*D-905	Gouley's, concealed	2 25
*D-910	Oberlander's, concealed	5 00
*D-915	Otis', meatus knife	1 35
*D-920	Piffard's, meatus knife	1 50
*D-925	Thompson's, meatus knife	1 50

URETHRATOMES

D-935	Cunningham-Malsoneuve's, with 2 blades, in case.....	9 00
D-940	Cunningham-Malsoneuve's, with 3 blades, in case.....	10 00
The improvement in this instrument permits the operator to hold the glans, penis and urethratome with one hand, preventing its accidental turning or twisting, and eliminates the danger of cutting the fingers when introducing the blade.		
*D-945	Gross', straight or curved, blade cutting forward.....	3 50
*D-950	Gross', exploratory, blade cutting backward.....	3 50
D-955	Kollman's, improved, with 4 blades and 1 bougie in case.....	10 50
D-958	Kreissel's, improved, with 2 blades.....	15 00
D-960	Otis', straight, with 2 knives, in case.....	12 50
*D-965	Otis', curved, with 2 knives, in case.....	12 50
*D-970	Otis', improved, curved, with 2 knives, in case.....	15 00
D-975	Otis', improved, straight, with 2 knives, in case.....	15 00

This instrument has a sliding sheath which carries the knife. With it the stricture is located without measuring and the blades will cut the stricture bands only. Send for special circular.

*D-980	Otis-Wyeth's, straight, with 2 blades, in case.....	13 50
D-985	Otis-Wyeth's, curved, with 2 blades, in case.....	13 50

PROSTATIC INSTRUMENTS

D-990	Cooler, Adams'	2 25
D-995	Cooler, Blanchard's	2 25
D-1000	Cooler, Eissner's	2 25
*D-1005	Cooler, Van der Poel's.....	4 00
*D-1010	Cooler, Wiener's	1 75
D-1015	Cooler, Winternitz's, psychrophor (for illustration see page 351)	1 50
D-1016	Cooler, the Zerodone, complete with metal haemorrhoidal tips.....	5 00
D-1017	Cooler, the Zerodone, complete with metal prostatic cooling sound D-1000..	5 50
D-1018	Cooler, the Zerodone, complete with haemorrhoidal and prostatic cooling sounds	6 00

The Zerodone is a cooling apparatus for the treatment of Internal Haemorrhoids, Acute and Chronic Prostatitis and Irritable Bladder.

The peculiar feature of this elegant contrivance is a water chamber from which by means of the working of a rubber bulb, a double current passes through a cylinder inserted into the rectum. There is no connection with a fountain syringe, as the instrument is complete in itself. The most practical instrument made, for chronic inflammations of the prostate and rectum.

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Prostatic Instruments



D-1055



D-1050



D-1040



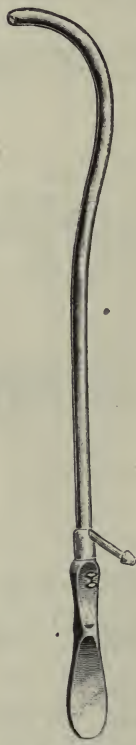
D-1025



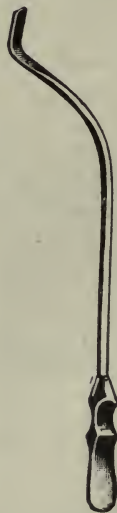
D-1125



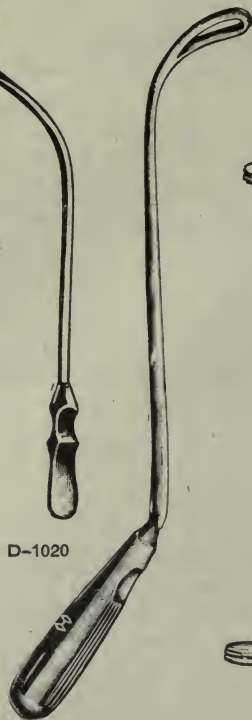
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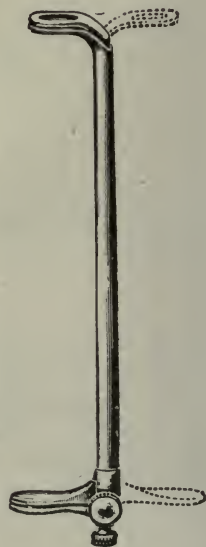
D-1082



D-1020



D-1090



D-1085

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Prostatic Instruments



D-1035

D-1080

D-1072

D-1070

D-1081

D-1075

DEPRESSORS, FORCEPS, RETRACTORS, TUBES, ETC.

D-1090	Depressor, Ferguson's	\$3 00
D-1020	Depressor, Guiteras'	1 50
D-1025	Drainage Tube, Ferguson's, silver.....	4 00
*D-1030	Drainage Tube, Hager's, for continuous irrigation and drainage, silver.....	5 00
*D-1032	Drainage Tube, Mayo's, rubber, double, for continuous irrigation	75
D-1035	Enucleator, Young's	2 00
D-1040	Forceps, Ferguson's, cutting.....	4 50
D-1050	Forceps, Guiteras', tearing.....	4 50
D-1055	Forceps, Young's, lobe, 2 sizes, small \$5 00; large	5 50
D-1060	Knife, Mayo-Allen's, for opening capsule...	1 25
*D-1062	Retractor, Guiteras', double, steel	2 50
D-1065	Retractor, Parker-Sims', soft rubber, with metal stilet	2 50
D-1070	Retractor, Young's, bifid, large.....	4 00
D-1072	Retractor, Young's, bifurcated, small, latest model	4 00
D-1075	Retractor, Young's, small blade ½ inch wide	2 75
D-1080	Retractor, Young's, large, blade 1¼-inches wide	3 25
D-1081	Retractor, Young's, spoon shape, for pedunculated middle lobe and for removing large calculi	2 00
D-1082	Sound, Strauss', irrigating, for chronic gonorrhea and prostatitis, 12 to 30 French	each
D-1125	Staff, Ferguson's, grooved	1 50
*D-1084	Staff, Young's, grooved	1 50
D-1085	Tractor, Young's	6 50



D-1065



D-1015

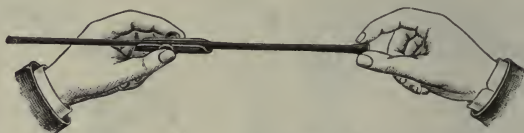
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Prostatic and Vesical Instruments



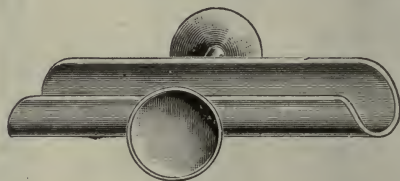
Preparing the Lubricator.



Lubricating the Catheter.



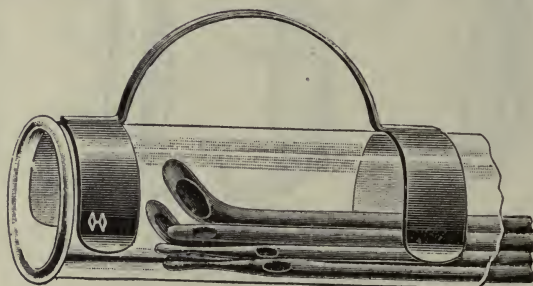
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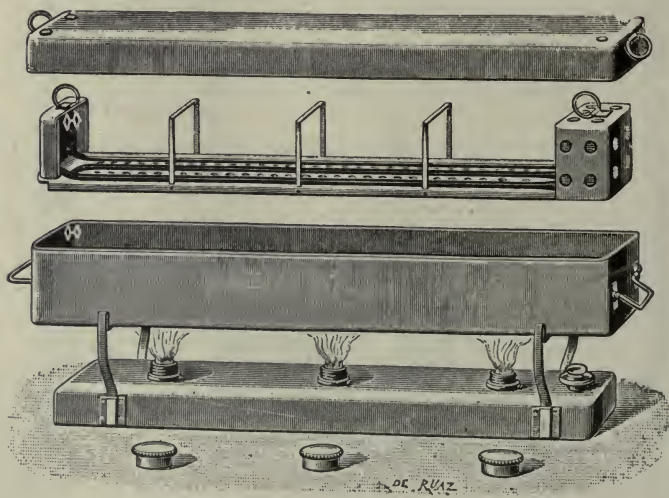
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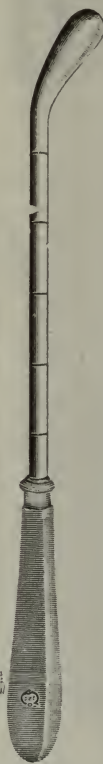
D-1320



D-1122



D-1:26

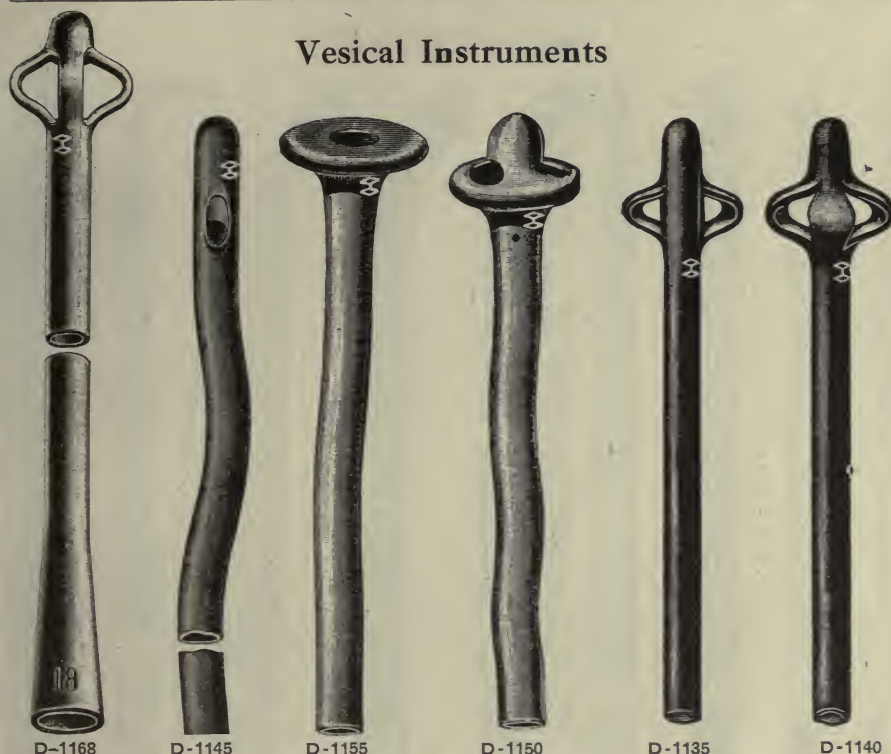


D-1118

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Vesical Instruments



PROSTATIC INSTRUMENTS.

*D-1095	Dilator, Gouley's	\$12 00
*D-1100	Incisor, Freudenberg's modification of Bottini's, with cooling arrangement and 1 irido-platinum knife, complete in case	40 00
*D-1105	Incisor, Dr. Hugh H. Young's (Baltimore), modification of the Freudenberg-Bottini incisor, with cooling arrangement and 4 irido-platinum knives, complete in case	90 00
*D-1110	Masseur, Dufaux's, soft rubber	6 75
D-1112	Masseur, Eastman's, metal	1 25
*D-1115	Masseur, Pezzoli's, electric	4 50
D-1118	Masseur, Swinburne's	1 75

CATHETER SUNDRIES.

D-1320	Catheter Holder, glass, with screw cap	40
*D-1325	Catheter Holder, glass, with screw caps at both ends	40
D-1122	Double Clip, Gaillard's, for placing glass catheter tubes in the sterilizer....	75
D-1124	Lubricator, Clayton's, nickel plated	50
A convenient instrument for lubricating catheters and bougies.		
D-1126	Sterilizer, Gaillard's, hot water, for bougies and catheters	12 00
Sterilizer is made of brass, nickel plated, with perforated metal tray and alcohol lamp. The sterilizer is large enough to sterilize a dozen or more catheters at one time.		

SOFT RUBBER CATHETERS.

*D-1128	Catheter Guide, Otis', for soft rubber catheters	75
*D-1130	Double Channel	1 50
D-1135	Malecot's, with 2 wings	90
D-1140	Malecot's, with 4 wings	1 35
D-1145	Nelaton's, with funnel end	25
D-1150	Pezzer's, with raised top	90
C-1155	Pezzer's, with mushroom top	90
*D-1160	Retrojecting	75
*D-1165	Irrigating	75

WEB CATHETERS.

D-1168	Gaillard's, self retaining, 4 wings, silk web	1 35
An entirely new self retaining catheter, made of the best quality of silk web. They are introduced in the same manner as the soft rubber. They cannot break in introduction. They place themselves automatically and without fixation in the bladder. They never become flattened by contraction of the sphincter muscle. The contraction of the bladder cannot obstruct the apertures.		
*D-1167	English, ordinary brown web, with stilet, sizes 1 to 12, each .10; per doz..	1 00

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Vesical Instruments



D-1184 D-1180 D-1175 D-1185 D-1172 D-1202 D-1198

GAILLARD'S FRENCH CATHETERS. Extra Quality.

REGULAR GUM ELASTIC WEB CATHETERS.

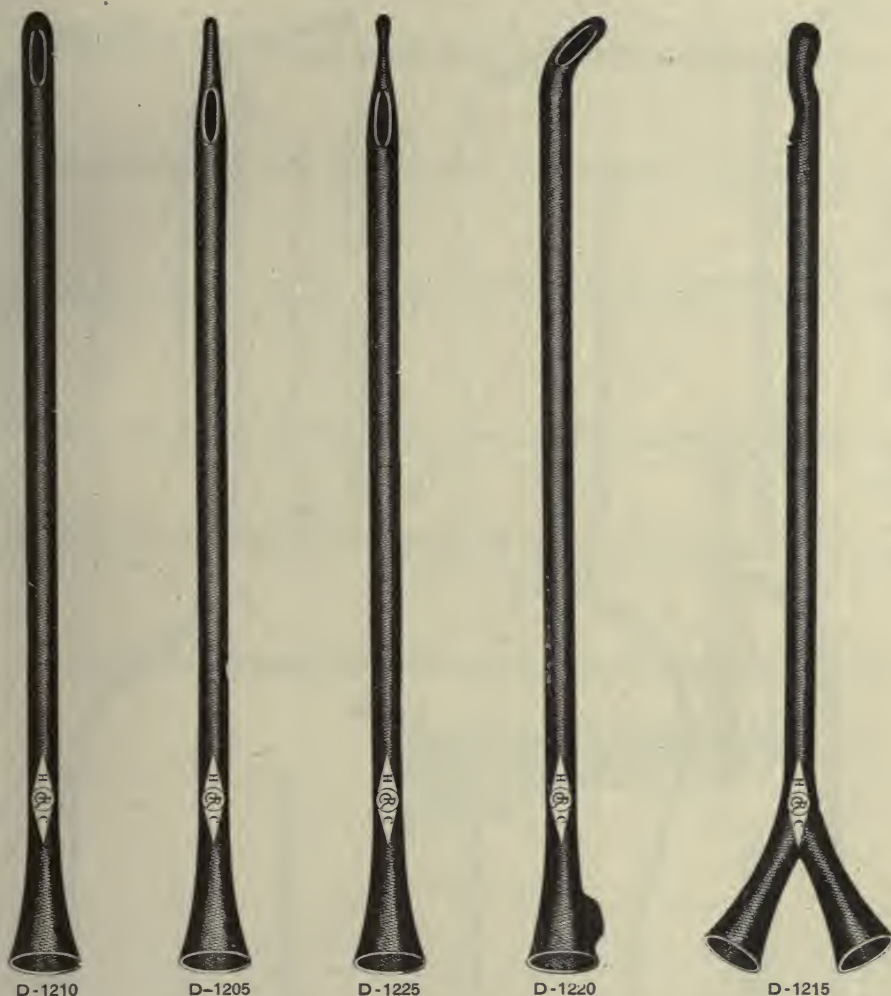
	Each	Doz.
D-1175 Conical, sizes 8 to 30 French	\$0 65	\$6 50
D-1180 Cylindrical, sizes 8 to 30 French	50	6 00
D-1185 Mercier's, coude, with finger guide, sizes 8 to 30 French	75	7 50
D-1186 Mercier's, coude, rigid shank and flexible end, sizes 8 to 30 French	1 00	10 80
*D-1190 Mercier's, bi-coude, sizes 8 to 30 French	90	10 00
D-1195 Olivary, sizes 8 to 30 French	75	7 50
*D-1196 Olivary, rigid shank and flexible end, sizes 8 to 30 French	1 00	10 80
D-1198 Phillip's, whip end, sizes 8 to 30 French	1 75	18 00

SILK GUM ELASTIC WEB CATHETERS.

D-1172 Bartrina's, coude, flattened laterally, oval bore, sizes 10 to 25 French	1 75	18 00
D-1181 Cylindrical, sizes 8 to 30 French	90	10 00
D-1184 Exploring, filiform, sizes 3 to 7 French	90	10 00
D-1187 Mercier's, coude, sizes 8 to 30 French	1 20	12 00
D-1197 Olivary, sizes 8 to 30 French	1 00	12 00
D-1202 Wishard's, coude, flattened antero-posteriorly, oval bore, sizes 10 to 22 French	1 75	20 00

Gaillard's catheters are superior in design, construction, material, finish and in sterilizable and last qualities. For full details see page 342.

Vesical Instruments



CLAYTON'S GERMAN GUM ELASTIC CATHETERS.

Best Quality Web.

BLACK MACO COTTON WEB.

	Each	Doz.
*D-1208 Cylindrical, sizes 7 to 30 French	\$0 35	\$3 60
*D-1218 Mercier's, coude, sizes 10 to 32 French	60	6 00
*D-1220 Olivary, sizes 6 to 30 French	50	5 50

NATURAL BROWN SILKEN LINEN WEB.

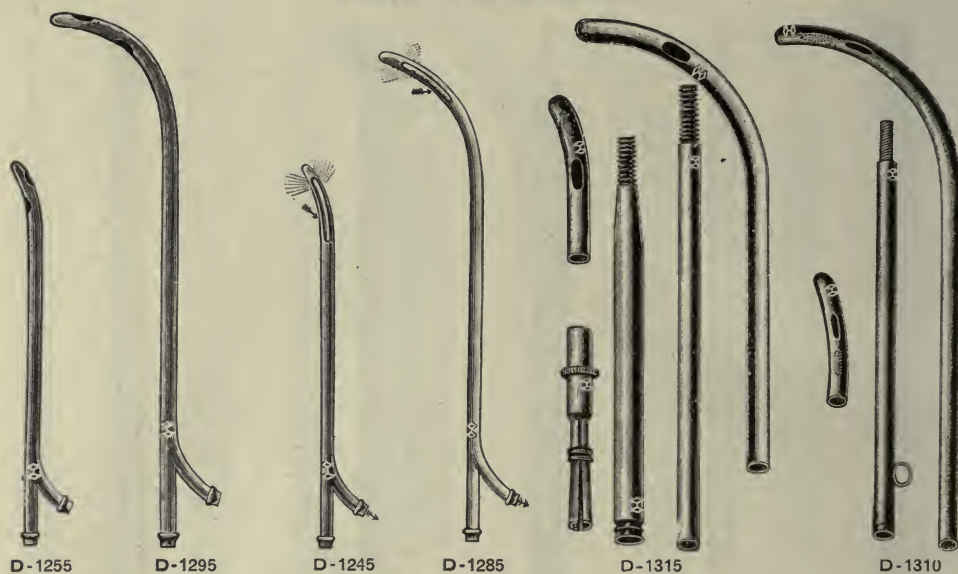
D-1205 Conical, sizes 6 to 30 French	65	6 50
D-1210 Cylindrical, sizes 6 to 30 French	40	4 50
D-1215 Double Channel, sizes 14, 16, 18, 20, 22 and 24 French	1 50	16 00
D-1220 Mercier's, coude, sizes 10 to 24 French	65	7 00
D-1225 Olivary, sizes 7 to 30 French	65	7 00

These catheters are of the best quality of web, they are made with careful precision, are reliable, durable and proof against disinfecting fluids. They will keep in any climate, will not get sticky, are very lasting and yet resisting.

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Vesical Instruments



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Vesical Instruments



D-1345

METAL CATHETERS.

D-1235	Female, plated, .40; silver	\$0 75
*D-1240	Female, glass, each, .10; dozen	75
D-1245	Female, double channel, plated, \$1.50; silver	3 50
D-1250	Female, double channel, Haslam's Perfection, plated, \$1.50; silver	3 50
*D-1252	Female, double channel, Haslam's Perfection, long eye, plated, \$1.50; silver	3 50
D-1255	Female, double channel, Nott's, plated, \$1.50; silver	3 50
*D-1260	Female, Sims', sigmoid, plated, .50; silver	1 00
*D-1265	Female, Skene-Goodman's, self retaining, plated, .60; silver	1 50
D-1270	Male, plated, sizes 1 to 18, English scale	65
D-1275	Male, silver, Nos. 1 to 6, \$1.50; Nos. 7 to 9, \$1.75; Nos. 10 to 12	2 50
D-1280	Male, Coxeter's, prostatic, plated	75
D-1285	Male, double channel, plain, plated, \$1.50; silver	3 75
D-1290	Male, double channel, Haslam's Perfection, plated, \$1.50; silver	3 75
*D-1292	Male, double channel, Haslam's Perfection, long eye, plated, \$1.50; silver	3 75
D-1295	Male, double channel, Nott's, plated, \$1.25; silver	3 75
D-1300	Male, Gouley's, tunnelled, for carrying filiform bougie	1 50
*D-1305	Male, Gross', spiral	1 00
D-1310	Male and female, combined, plated, .75; silver	3 00
D-1315	Male and female, Parker's, combined, plated, \$1.25; silver	4 50

CYSTOSCOPES.

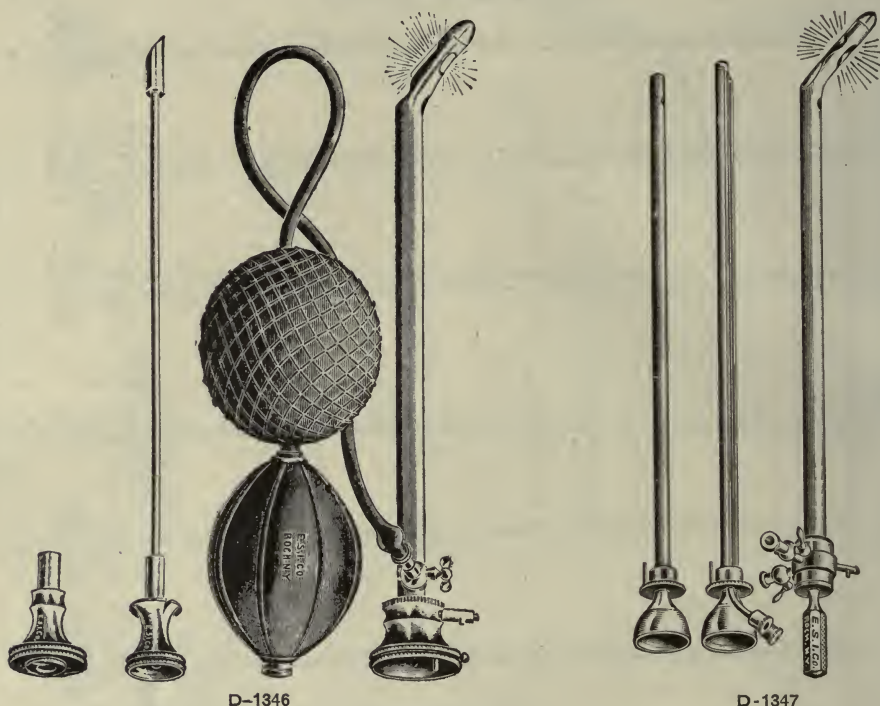
D-1345 Bransford Lewis' new and improved cystoscope, consists of: 1, sheath with obturator, Fig. A, the former affording illumination of the whole interior of the bladder by fenestration of its beak on both convexity and concavity; 2, telescope for direct double urethral catheterization, Fig. B.; 3, telescope for indirect ureteral catheterization with right-angle lens, Fig. C.; 4, telescope for retrospective view, non-catheterizing, Fig. D.; 5, electric cable, with cut-off switch attached, placing control of the light in the hands of the operator. Complete Universal Cystoscope in case, net

In addition to the above outfit, non-catheterizing telescope for direct forward view, Fig. E, and non-catheterizing; telescope for indirect, right-angle view, Fig. F, can be furnished. Complete set, including 5 telescopes enumerated, in case, net

\$100 00

\$125 00

Vesical Instruments



D-1346

D-1347

CYSTOSCOPES.

D-1346. THE "E. S. I. CO." DIAGNOSTIC CYSTOSCOPE.

This instrument is so arranged that either air or water may be used as a dilating medium. It is designed for diagnostic work, for removing calculi and other foreign bodies, and for making direct applications, etc. Its advantages are its small calibre, the fact it can be used for either air or water dilatation, that direct applications can be made to diseased tissue, and its cold lamp, giving brilliant illumination.

The instrument has a calibre of No. 20 French scale and a length of 20 cm. The female cystoscope has a calibre of No. 28 French scale and a length of 10 cm.

Price, complete with extra lamp, obturator, window and dilating bulbsnet \$21 50
Price, complete with extra lamp, obturator and windownet 20 00

D-1347. THE "E. S. I. CO." COMBINATION CYSTOSCOPE.

This instrument represents the very latest advance in the art of cystoscopy, comprising as it does the best features of the Tilden Brown, the Cabot, the Ayres and other good models. The calibre is small, No. 23 French, the length about 20 cm. The lamps are cool and give brilliant illumination, the catheter guides are attached to the outer wall of the direct periscope, so that the instrument when not being used for ureter catheterization is available for diagnostic and treatment work. Two periscopes are furnished, one for direct, the other for angular inspection. It is provided with two stop cocks to facilitate irrigation. Air or water may be used for dilatation.

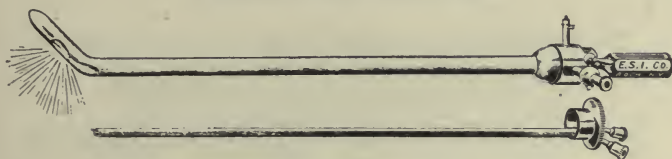
Price, complete with two periscopes, obturator, window and extra lampnet \$60 00
Price, complete as above with two silk catheters and dilating bulbsnet 64 50
Price, indirect catheterization periscope, extranet 35 00
Price, case for above, covered with genuine leather, seal grainnet 3 50

Space does not permit of full detailed description. We will be glad to mail special circular if you are interested.

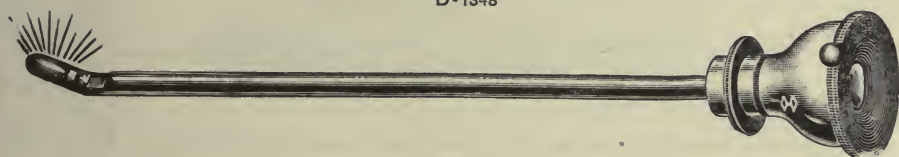
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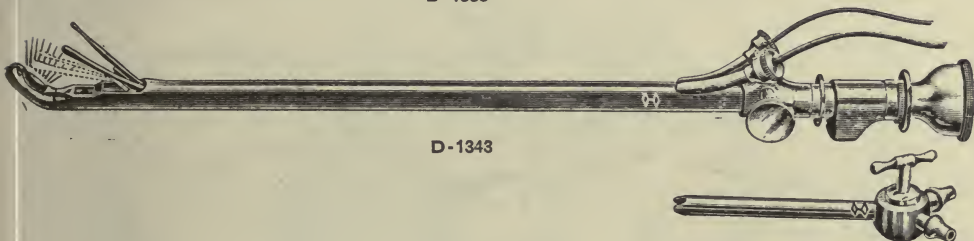
Vesical Instruments



D-1348



D-1338



D-1343

CYSTOSCOPES.

D-1348. THE "BRAASCH" DOUBLE CATHETERIZATION CYSTOSCOPE.

Designed by Dr. W. F. Braasch of St. Mary's Hospital, Rochester, Minnesota. It is a modification of the Lewis and the Elsner, differing from them principally in that the catheter guides are removable. They are held firmly in place by small flanges which project slightly into the lumen of the tube. The beak is small and tapered, making introduction easy. The thickness of the walls has been lessened, reducing the outer calibre and enlarging the lumen of the tube. The removable catheter guide can be rendered surgically sterile, and when it is not in use the cystoscope can be used for diagnostic purposes. The cystoscope was designed for water dilatation but may be used with air if preferred. The calibre is No. 21 French scale and the length 21 cm. It is simple, effective and the most practical instrument for the general practitioner that has been designed up to date.

Price, complete with obturator and extra lampnet \$30 00
 Price, complete with obturator, extra lamp, two silk catheters and dilating bulbs.net 34 50
 Price of case for above, covered with genuine leather, seal grainnet 3 50

D-1338. THE NITZE IMPROVED EXAMINING CYSTOSCOPE.

The Nitze improved examining cystoscope with prism inside of telescope. Can be furnished in 15, 18 and 21 French scale. Cystoscope complete with reserve lamp and conducting cords in case 35 00

D-1342. THE NITZE-SCHLAGINWEIT'S IMPROVED CYSTOSCOPE.

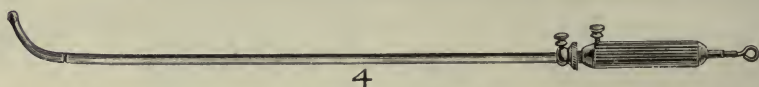
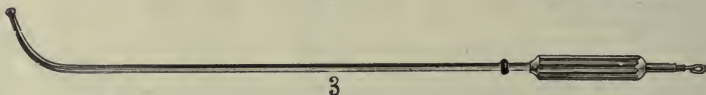
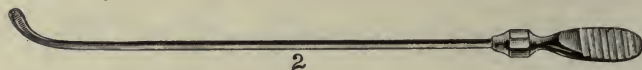
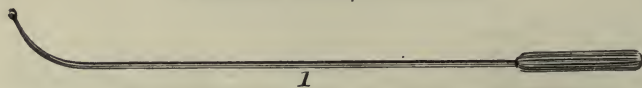
The Nitze-Schlaginweit's latest improved ureter and irrigating cystoscope. It has a removable optical telescope. A catheter as large as No. 7 French scale can be introduced and controlled by a lever at the proximal end. The telescope can be removed and the instrument be used to irrigate the bladder. A ball valve automatically closes the outer sheath; through this valve the two-way stop cock illustrated can be introduced for irrigation. The size of the instrument is No. 23 French scale. Cystoscope complete with reserve lamp, conducting cords, two-way stop cock for catheter channel, and one ureter catheter 60 00

D-1343 Nitze-Schlaginweit's Cystoscope as above described, but with double catheter channel, for two No. 6 catheters 70 00

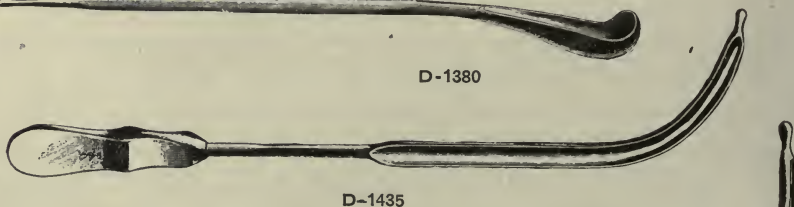
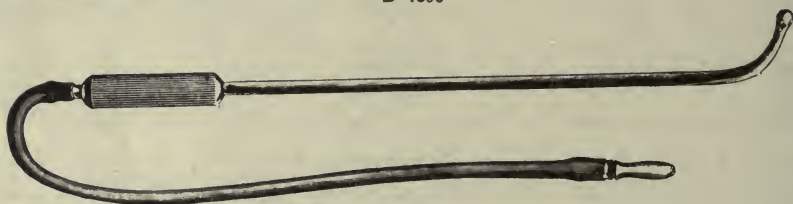
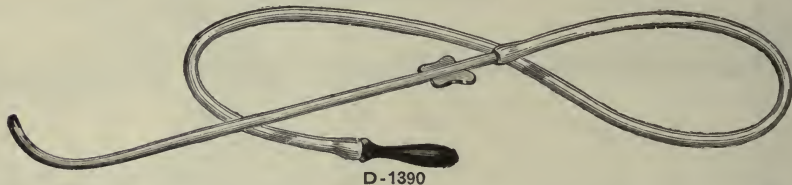
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Vesical Instruments



D-1395-1400-1410-1415

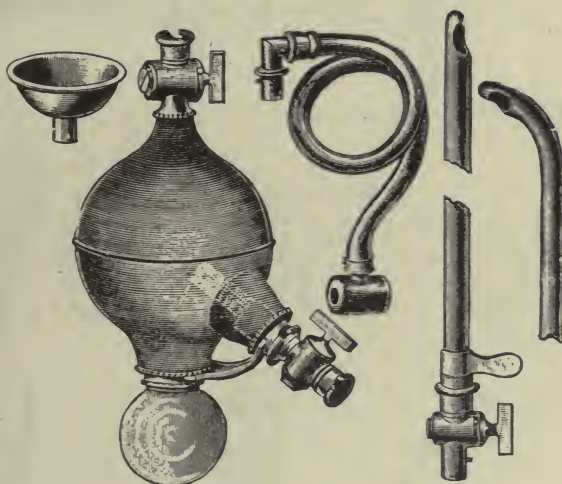


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on items marked net.

Vesical Instruments



D-1360



D-1355

EVACUATORS.

D-1355	Bigelow's, latest pattern, with 2 catheters, in case	\$25 00
D-1360	Chismore's, with 2 catheters, in case	13 50

LITHOTRITES.

D-1365	Bigelow's, latest model	24 00
D-1370	Kutner's, dissectible and aseptic	24 00
*D-1375	Thompson's	20 00

SCOOPS.

D-1380	Director, with scoop	1 75
D-1385	Little's	2 00

SEARCHERS.

D-1390	Andrews'	1 25
D-1395	Little's, No. 1	1 00
D-1400	Otis', No. 4	2 50
D-1405	Posner's, with sound conductor	2 00
D-1410	Thompson's, No. 3	1 25
D-1415	Thompson's, latest, No. 2	1 75

STAFFS.

*D-1420	Ferguson's, grooved	1 50
*D-1425	Little's, angular director	1 25
D-1430	Little's	1 25
D-1435	Markoe's	1 25
*D-1438	Wheelhouse's	1 75

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D-1365



D-1370

Vesical Instruments



D-1470



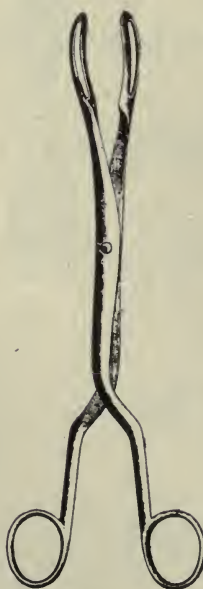
D-1465



D-1445



D-1480



D-1490



D-1495



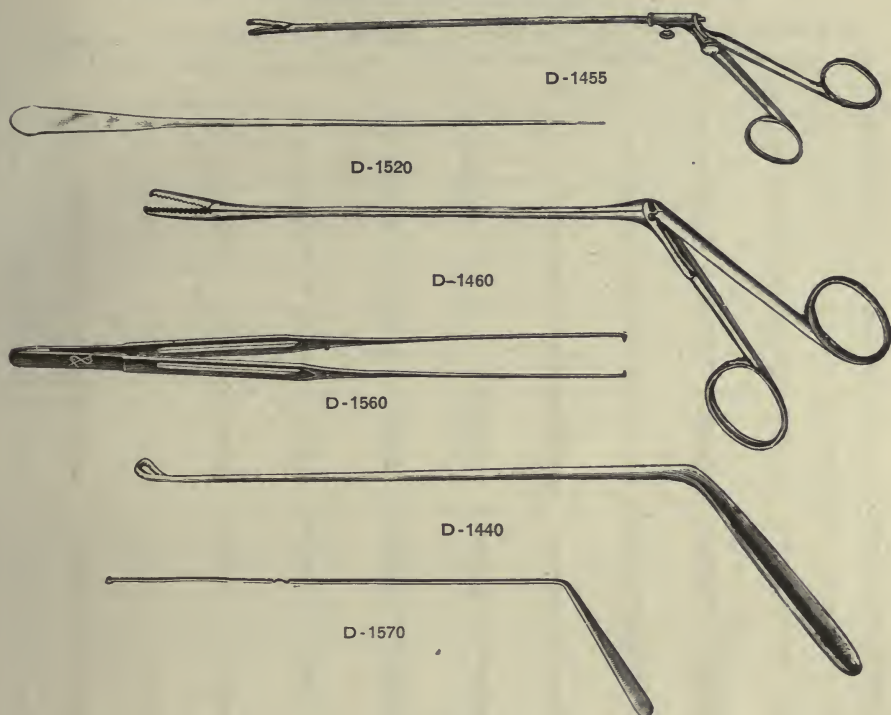
D-1500



D-1505

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Vesical, Ureteral and Scrotal Instruments



CURETTE.

D-1440	Kelly's, sharp	\$2 00
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FORCEPS.

D-1445	Bergman's, lithotomy	3 00
*D-1450	Collins', urethral	6 50
D-1455	Dittel's, urethral	6 00
D-1460	Kelly's, bladder	6 00
D-1465	Lewkowitz's, curved, lithotomy	2 25
D-1470	Lewkowitz's, straight, lithotomy	2 25
*D-1475	Mathieu's, urethral	6 50
D-1480	Nitze's, bladder, with electric lamp	12 50
*D-1485	Pitha's, urethral, straight or curved	1 50
D-1490	Teevan's, fenestrated, lithotomy	3 00
D-1495	Thompson's, curved, bladder	3 50
D-1500	Thompson's, bayonet curve, bladder	3 50
D-1505	Thompson's, double curve, bladder	3 50

GUILLOTINE.

*D-1510	Kelly's	6 50
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SNARE.

*D-1515	Kelly's, polypus	2 25
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URETERAL INSTRUMENTS.

D-1520	Applicator, Kelly's	50
*D-1525	Calibrator, Kelly's, urethral	1 00
*D-1550	Depressor, Kelly's, septum	1 75
*D-1555	Dilator, Kelly's, urethral, double end, sizes 5 to 20 mm., plated, \$1.25 to....	1 75
D-1560	Forceps, Kelly's, delicate, mouse tooth, 9½ inches long	2 00
D-1570	Searcher, Kelly's	50
*D-1585	Segregator, Luy's, complete with 6 glass tubes, in metal case	42 00

SCROTAL CLAMPS.

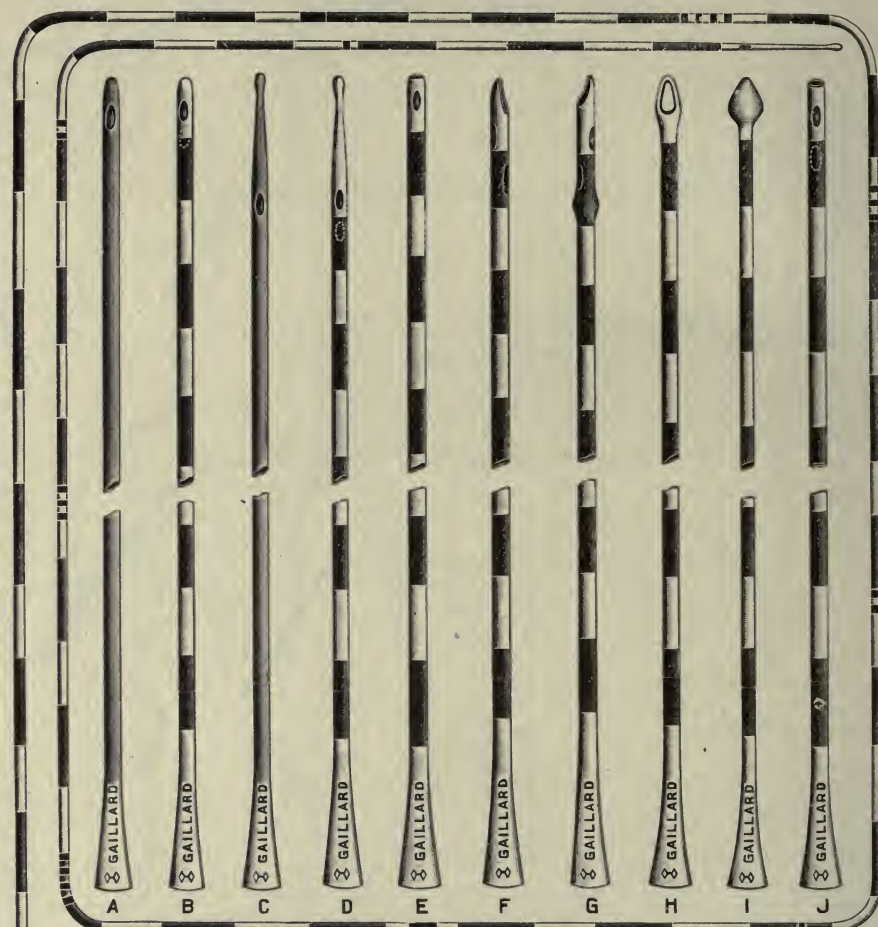
*D-1610	Henry's	6 00
*D-1615	King's	4 00
*D-1616	Lewis'	2 00

SCROTAL COMPRESSORS—SEE SUSPENSORIES.

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Uretral Instruments



D-1530 D-1535 D-1540 D-1542 D-1544 D-1546 D-1548 D-1552 D-1556 D-1554

GAILLARD'S URETERAL CATHETERS.

Extra Quality.

D-1530	Catheter, cylindrical, Albarran's, silk web	\$1 75
D-1535	Catheter, cylindrical, Albarran's, graduated, silk web	2 50
D-1540	Catheter, olive point, Albarran's, silk web	1 75
D-1542	Catheter, olive point, Albarran's, graduated, silk web	2 50
D-1544	Catheter, cylindrical, open end, graduated, Gaillard's, silk web..	2 50
D-1546	Catheter, oblique end, graduated, Gaillard's, silk web	3 00
D-1548	Catheter, oblique and bellied end, graduated, Gaillard's, silk web	3 00
D-1552	Catheter, with double oblique and bellied end, graduated, Gaillard's, silk web	3 50
D-1554	Catheter, open end, Albarran's, with improved graduation, silk web	2 75
D-1556	Bougie, Pasteau's, exploring, graduated, silk web	2 50

Gaillard's ureteral catheters are made in sizes 4, 5, 5½, 6, 6½, 7, 7½ and 8 French scale.

Gaillard's ureteral catheters are made exclusively of a special quality of the finest unbreakable silk web.

Gaillard's ureteral catheters are made with large lumen, insuring rapid and perfect drainage.

D-1530, 1535, 1540 and 1542 are carried in stock, other styles being imported on order only.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Ureteral Instruments

GAILLARD URETERAL CATHETERS.

The usual object of ureteral catheterization is to collect a sufficient quantity of urine containing more or less pus, occasionally even concretions of pus, as a means of arriving at a correct diagnosis of a case. The surgeon, to promptly discharge his responsible and delicate duty, will seek to accomplish his task in the shortest possible space of time, so as to reduce the duration of the often painful and always exhausting ordeal to which his patient has to submit to the lowest possible limit. To secure expedition the catheters should have a large bore, whilst for other reasons it is usual to employ catheters of a small external diameter, say Nos. 4 to 12 of the French scale, more particularly Nos. 5, 6, 7 and 8. Under these circumstances the walls of the catheter must necessarily be very thin, yet covered with a sufficient layer of pure gum of the highest quality.

The qualities which we have defined above are scrupulously maintained in the manufacture of our catheters, which are made, not of a common silk tape or of bad cotton web, as is the case with many brands made for cheapness, but exclusively of a special kind of the finest unbreakable silk web.

Ureteral catheters bearing the name "Gaillard" are always easier to operate with, and it is not necessary to have recourse to the more or less dangerous stilette. The large bore of these catheters insures perfect and rapid drainage.

Section "E"

Gynaecic

Instrument Satchels

Hysterectomy

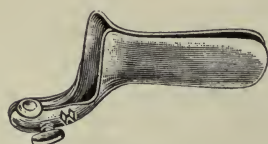
Hand Medicine Cases

Obstetrical

Buggy Medicine Cases

Pocket Medicine Cases

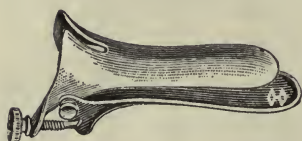
Gynaecic Instruments



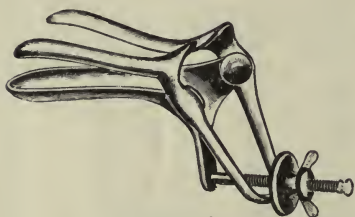
E-25



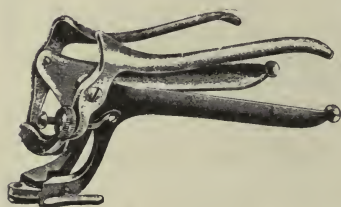
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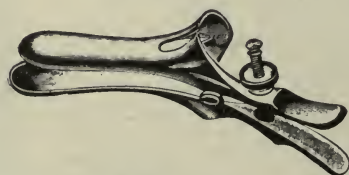
E-120



E-95



E-130



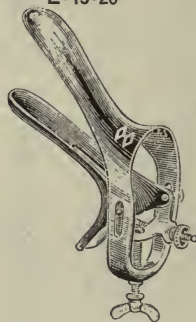
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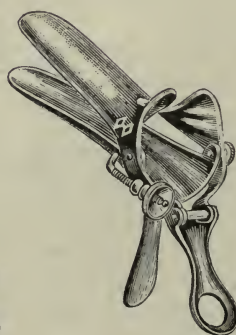
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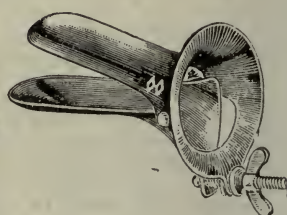
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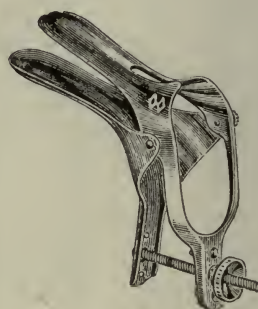
E-65



E-30



E-70



E-10



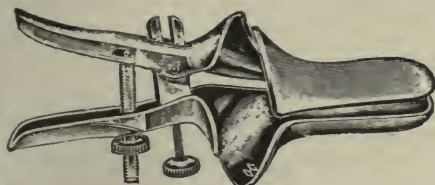
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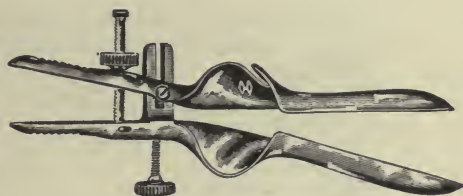
E-50

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Gynaecic Instruments



E-34



E-32



E-1



E-45



E-105



E-55



E-110

VAGINAL SPECULUMS.

E-1	Auvard's, weighted, 1 size	\$3 00
E-5	Beebe's, lateral, 1 size	2 50
*E-6	Beebe's, trivalve, 1 size	1 75
E-10	Brewer's, regular, 3 sizes	each 1 75
*E-12	Brewer's, extra large, 1 size	2 50
E-15	Cavana's, regular, 1 size	2 50
E-20	Cavana's, operating, 1 size	2 50
E-25	Collins', 3 sizes	each 1 50
E-30	Cusco's, 3 sizes	each 2 00
E-32	DeVilbiss', regular, 3 sizes	each 1 75
E-34	DeVilbiss', operating, 1 size	1 75
*E-35	Edebohl's, 1 size	2 25
*E-40	Edobohl-Miller's, 1 size	1 75
E-45	Garrigue's, weighted, 1 size	2 75
E-50	Graves', regular, 2 sizes	each 1 50
E-55	Graves', operating, 1 size	2 75
E-60	Hale's, virgin	2 00
E-65	Hale's, regular, 2 sizes	each 2 00
E-67	Haslam's, ball bearing; can be used as a trivalve or quadrivalve	3 25
E-70	Higbie's, 3 sizes	each 1 75
*E-75	McNutt's, virgin, 1 size	1 50
E-80	Mergler's, virgin, 1 size	1 75
E-85	Miller's, 3 sizes	each 1 50
*E-90	Miller-Landau's, 1 size	1 75
E-95	Nott's, 3 sizes	each 1 75
E-105	Rockey's, self retaining	3 50
E-110	Sim's, 5 sizes	each 1 25
*E-115	Sim's-Blake-White's, 1 size	1 50
E-120	Taylor's	1 25
E-125	Thomas-Cusco's, 1 size	2 50

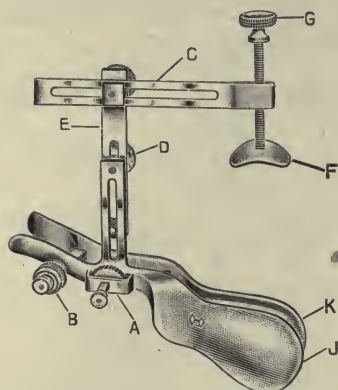
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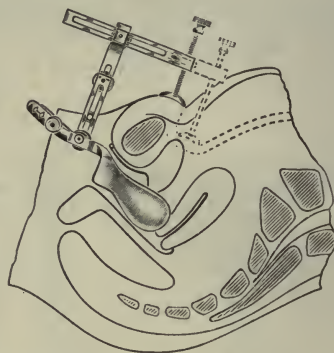
Gynaecic Instruments

E-132. DR. DON H. PALMER'S SELF RETAINING VAGINAL SPECULUM FOR IMMEDIATE REPAIR OF THE PERINEUM.

Patent Pending.



E-132



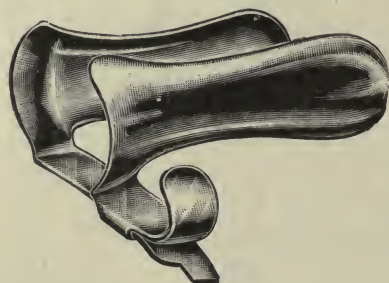
Sectional view showing speculum in position.

The primary repair of the perineum is one of the most important features of the obstetric work of every general practitioner and often one of the most difficult to perform, due to the lack of skilled assistants and the inability to obtain a satisfactory view of the operative field.

To overcome these difficulties I have designed this instrument, which is small, light, simple and self retaining. It is quickly applied, gives the operator a full view of the anterior and posterior walls, the use of both hands, and immediate repair may be made in an easy, bloodless and satisfactory manner. A glance at the illustration of the instrument together with the sectional view of the anatomy will give a clear conception of the retaining principle. Circular giving full description mailed upon request.

Pricenet \$5 50

E-134. THE SPARK'S VAGINAL SPECULUM.



E-134

This instrument is self retaining and is very simple, consisting of only two pieces of sheet steel, heavily nickel plated over copper. The two parts can be instantly dismantled and folded into small space.

When in position the instrument will automatically lock at any point desired by pressure made at the distal extremities, which causes the long shank to bind on the margin of the slot.

There are no set screws, no irregular surfaces, nothing to get out of order.

They are light in weight, there is no lost motion, are readily sterilized and are reasonable in price.

This speculum will more nearly meet all your requirements than any other. The anterior blade is shorter than the posterior blade. The speculum is so compact that it may be used in any position in the vagina, an important feature when it is desired to do urethral work or to make local applications to the vaginal walls.

Pricenet \$2 50

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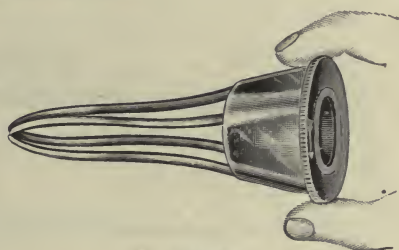
Gynaecic Instruments

E-136. DR. E. E. HALL'S VAGINAL AND RECTAL SPECULUM.**TWO SPECULUMS IN ONE.**

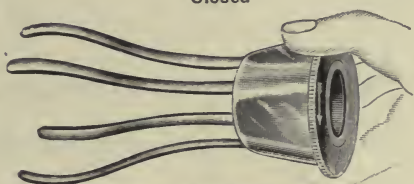
This instrument is made of the best German silver, dilates by turning knurled disc, remaining at any degree of dilation desired. There are no set screws or clamps. It works in harmony with the tissues involved, dilating them in an even circular form, enabling the user to view the tissues and cervix on all sides.

There are two sets or sizes of dilating fingers, readily interchangeable, thus making two speculums in one.

rice, postpaidnet \$3 50

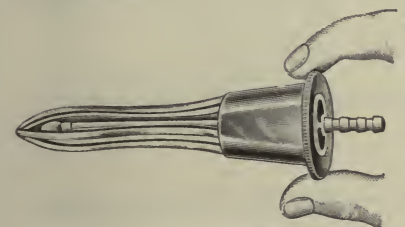


Closed

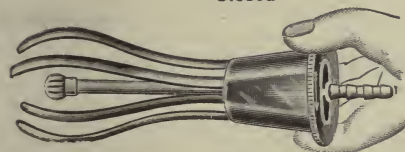


Expanded

E-136



Closed



Expanded

E-138

E-138. DR. E. E. HALL'S EXPANDING DOUCHE POINT.

This expanding douche point is made of the best German silver. Two sizes in one. The small size is for stimulating by the rectum, also for treating many diseases of the rectum.

Expansion is made with knurled disc. Dilates all folds of the vaginal membrane, and insures the most perfect douche, or application to the affected parts.

Price to patients, postpaid \$3 50

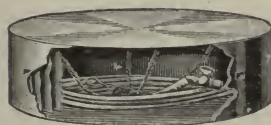
Price to physicians, postpaidnet 2 25

E-142. DR. E. E. HALL'S COLLAPSIBLE IRRIGATING CAN.

Made collapsible so that it can readily be carried in the grip, of the best German silver, durable, convenient and easily sterilized. Invaluable for both doctor and nurse.

The can holds two quarts and when folded, with hose, stop cock, bracket and chains it is less than 2½ inches high. To see this is to want it.

Price, postpaidnet \$3 50



Closed

Note.—This irrigator will be found to be particularly useful for the injection of salt solutions.



E-142

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Gynaecic Instruments



E-190



E-230



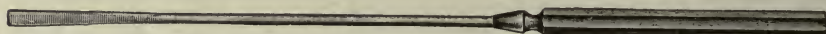
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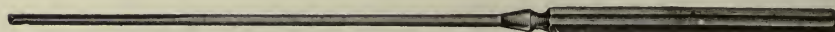
E-160



E-165



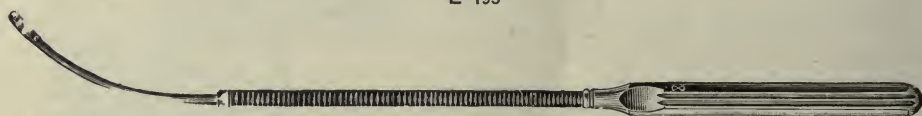
E-175



E-170



E-195



E-185



E-180

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Gynaecic Instruments



E-215



E-220



E-235



E-210

APPLICATORS AND PACKERS.

E-160	Applicator, plain, rough end, aluminum, .15; plated	\$0 15
E-165	Applicator, plain, spiral end, aluminum, .15; plated	15
E-170	Applicator, plain, triangular, aluminum, .15; plated	15
E-175	Applicator, plain, flat end, aluminum, .15; plated	15
E-180	Applicator, plain, aluminum, 3 sizes	15
E-185	Applicator, Emmet's, with slide, plated, 60; silver	1 25
E-190	Applicator, Martin's, with 100 nails	1 00
E-195	Applicator, Saenger's, heavy, flat end	1 00
*E-200	Caustic Holder, Leiter's, with silver burner	1 75
*E-205	Caustic Holder, plain, with silver burner	1 25
E-208	Gauze Packer, Bernay's, uterine	50
E-210	Gauze Packer, Haslam's, vaginal, 8½ in. long, 13-32 in. diameter	1 00
E-215	Gauze Packer, Haslam's, uterine, 12 inches long, 3-16 in. diameter	1 00
E-220	Gauze Packer, Haslam's, uterine, 12 in. long, 5-16 in. diameter	1 00
*E-225	Haslam's Gauze Packing Set, consisting of 1 uterine gauze packer, 1 bottle borated gauze, 1 bottle sublimated gauze, 1 bottle iodoform gauze and 1 bottle of antiseptic tablets, complete in box	2 50
E-230	Gauze Packer, Kelly's, trident	50
E-235	Gauze Packer, McDade's, cervical director	1 50

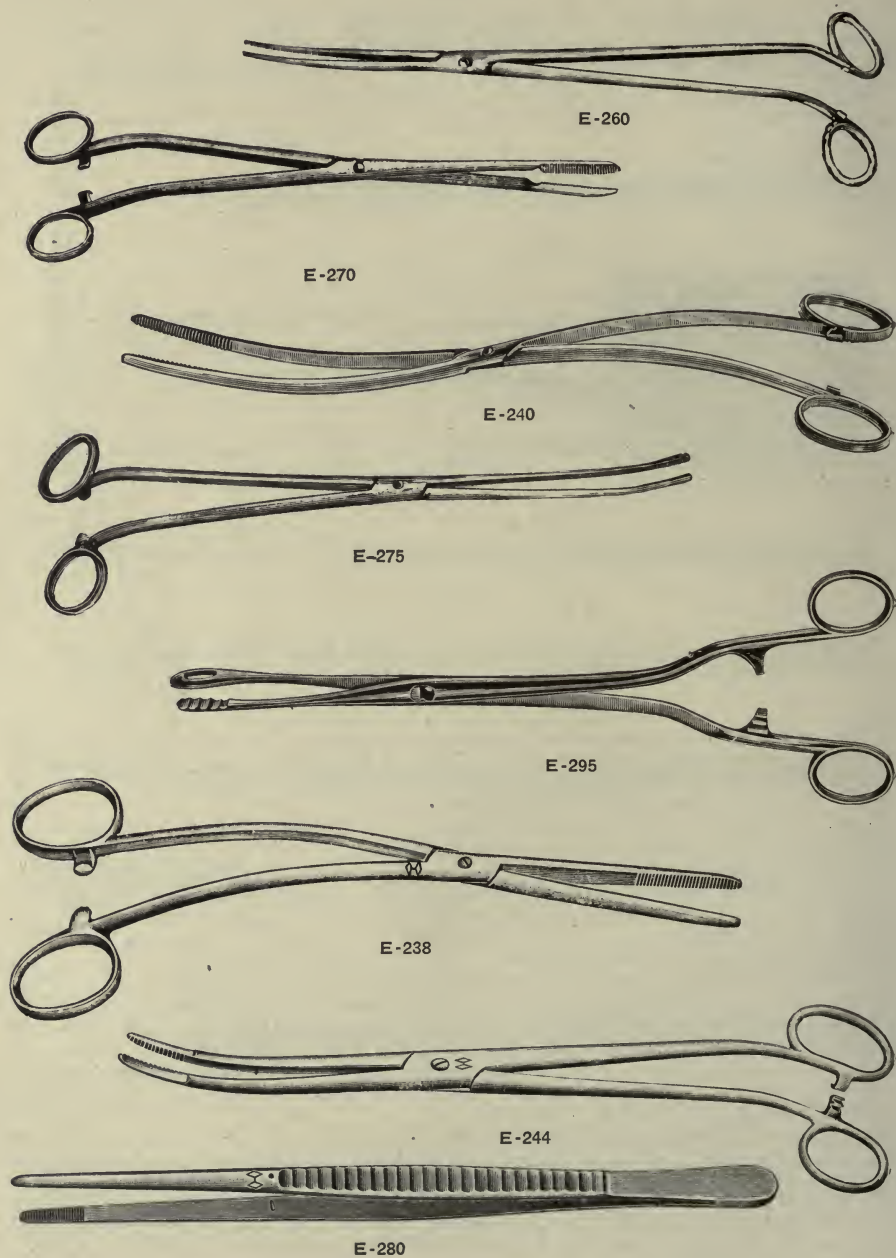
Obturator can be furnished with these packers at an added cost of 25 cents each.

This is the latest and most improved invention for packing the uterus to prevent hemorrhage. To introduce gauze through the McDade Cervical Director any ordinary blunt instrument or dressing forceps may be used to push the gauze forward. The jaws close automatically, thus preventing gauze from being drawn back.

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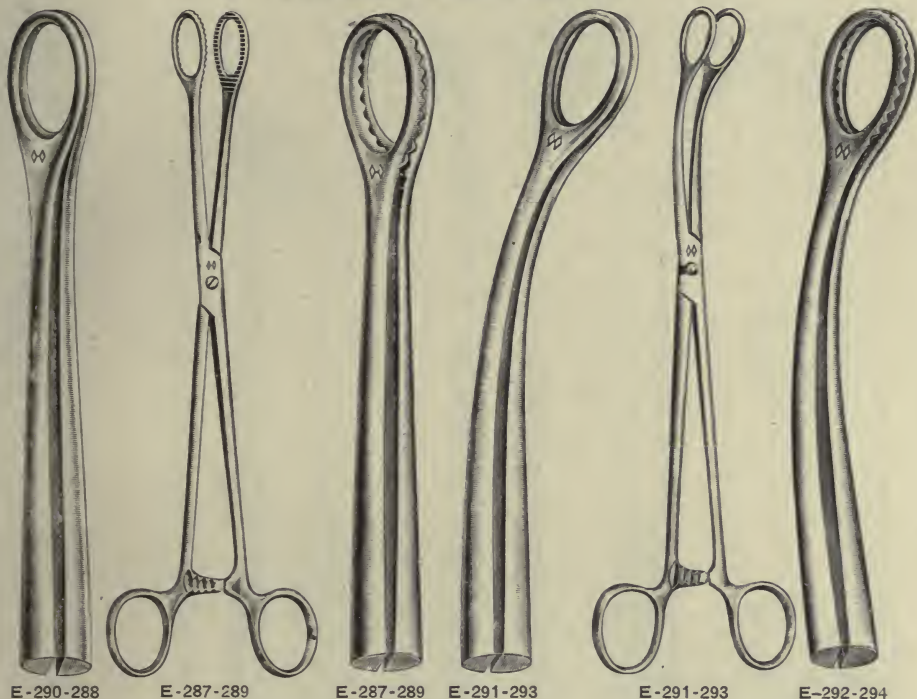
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Gynaecaeic Instruments



E-290-288

E-287-289

E-287-289

E-291-293

E-291-293

E-292-294

APPLICATING FORCEPS AND SPONGE HOLDERS.
APPLICATING FORCEPS.

E-238	Barrett's, packing	\$1 50
E-240	Bozeman's, serrated jaw	1 25
*E-241	Bozeman's, concave jaw	1 25
*E-242	Bozeman's, 12 inch	1 75
E-244	Douglass', triangular point, serrated, large finger ring, rounded shanks	1 50
*E-245	Elliott's, straight	1 50
*E-246	Elliott's, with bent handles	1 50
*E-250	Emmet's, with slide catch	1 75
*E-255	Garrigue's, packing	2 25
E-260	Harvey's	1 75
*E-262	Leonard's	1 50
*E-265	Pelkman's, slender	1 50
E-270	Schroeder's	1 50
E-275	Thomas'	1 75
E-280	Walcher's, 9 in., \$1.00; 10 in., \$1.25; 11 in., \$1.35; 12 in....	1 50

SPONGE HOLDING FORCEPS.

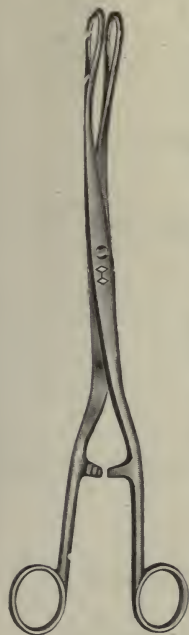
E-285	Bellevue, plain blade	2 00
E-286	Bellevue, serrated blade	2 00
E-290	Foster's, Haslam model, straight, 7 in., plain jaw	1 35
E-287	Foster's, Haslam model, straight, 7 in., serrated jaw	1 35
E-288	Foster's, Haslam model, straight, 9½ in., plain jaw	1 50
E-289	Foster's, Haslam model, straight, 9½ in., serrated jaw	1 50
E-291	Foster's, Haslam model, curved, 7 in., plain jaw	1 50
E-292	Foster's, Haslam model, curved, 7 in., serrated jaw	1 50
E-293	Foster's, Haslam model, curved, 9½ in., plain jaw	1 75
E-294	Foster's, Haslam model, curved, 9½ in., serrated jaw	1 75
E-295	Haslam's, combined sponge, dressing and seizing	2 25
*E-300	Kelly's	2 25

SPONGE HOLDERS.

*E-305	Husson's	35
*E-310	Plain, straight	35
*E-315	Plain, curved	35

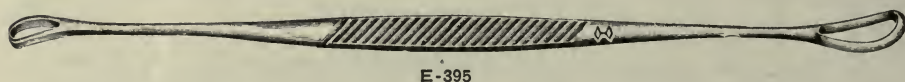
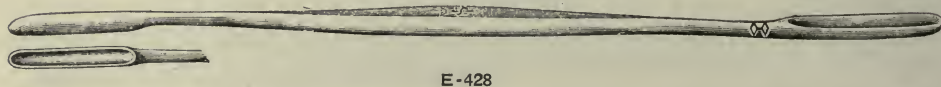
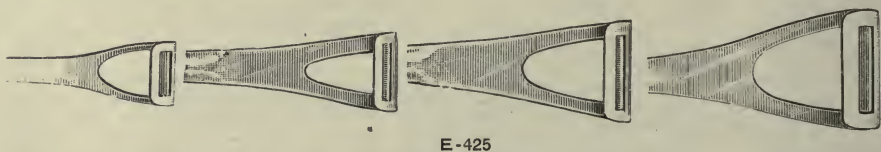
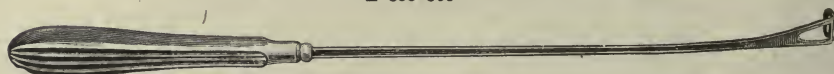
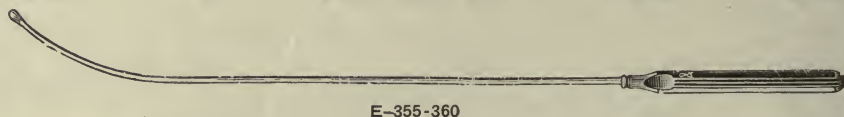
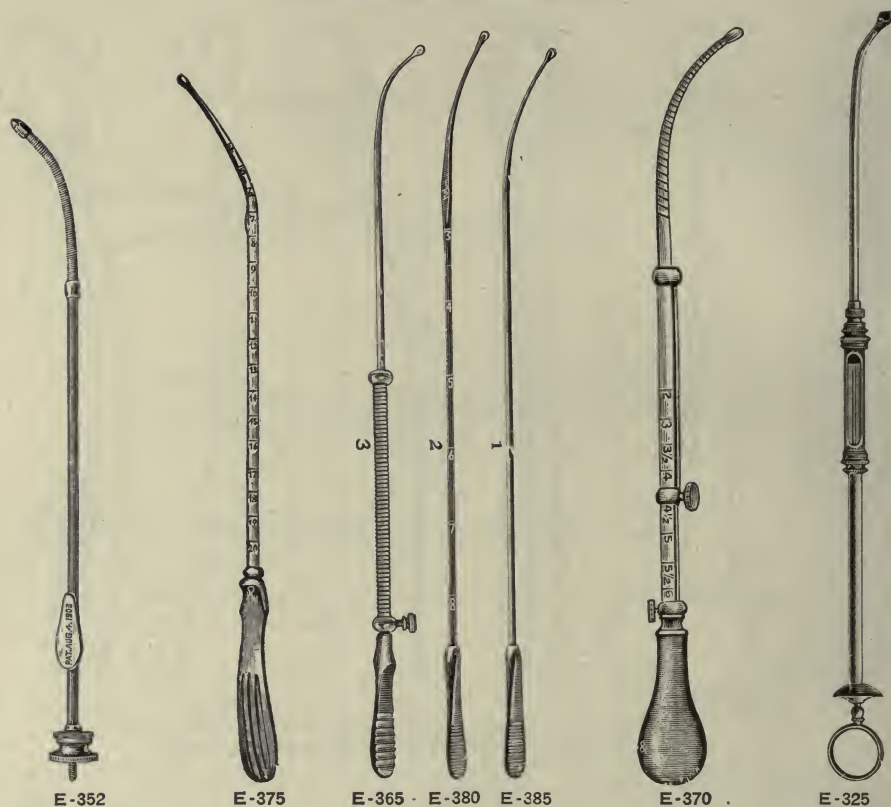
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E-285-286

Gynaecic Instruments



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Gynaecic Instruments



SYRINGES, SOUNDS AND CURETTES.

E-325	Applicating Syringe, Braun's	\$1 75
*E-330	Applicating Syringe, hard rubber, ½ oz., .65; 1 oz., .75; 2 oz.	1 00
*E-335	Applicating Syringe, Kelly's, silver, with flexible silver tube	4 25
*E-340	Applicating Syringe, Woodward's, with flexible silver tube	3 25
*E-345	Elevator, Elliott's, with elastic web cover	2 50
*E-350	Elevator, Elliott's, all metal, spiral	2 50
E-352	Elevator, Haslam's, all metal, aseptic	2 75
E-355	Probe, Sims', plated or aluminum	each 35
E-360	Probe, Sims', silver	1 00
E-365	Sound, Gidding's, Fig. 3	1 00
E-370	Sound, Jenks', spiral	2 25
E-375	Sound, Martin's	1 00
E-380	Sound, Simpson's, graduated	40
E-385	Sound, Sims'	35
*E-390	Sound, Trelat's, for replacing uterus	2 00
E-395	Curette, Blake's, double, blunt and sharp	each 1 35
E-398	Curette, Boldt's, carcinoma, sharp	3 00
E-400	Curette, Burt's, double	1 75
E-405	Curette, Byford's, blunt, 3 sizes	each 1 25
E-410	Curette, Green's, serrated, 3 sizes	each 1 00
E-425	Curette, Langstaff's, 4 sizes	each 1 75
E-428	Curette, Martin's, double end, blunt	1 50
*E-430	Curette, Recamier's, sharp, 6 sizes	each 1 75
E-435	Curette, sharp, scoop, fenestrated, pliable shank	each 2 25
E-440	Curette, sharp, scoop, steel, 3 sizes	each 2 25

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Gynaecic Instruments



E-462



E-460



E-465



E-500



E-495



E-490



E-505



E-455

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Gynaecic Instruments



CURETTES.

E-442	Reavley's, with soft rubber spoon	\$2 00
*E-445	Simon's, sharp, 6 sizes	each 1 75
*E-450	Simon's, blunt, 6 sizes	each 1 75
E-455	Sims', sharp, 6 sizes	each 1 00
E-460	Skene's, blunt, 3 sizes	each 1 00
E-462	Stevens', expandible, Haslam model	

This instrument is made with flat steel loop which can be made narrow or wide by set screw at end of handle. A practical instrument.

E-465	Thomas', blunt, 3 sizes	each 90
E-470	Volkman's, sharp	2 00
E-475	Wylie's, sharp, 3 sizes	each 1 75

RINSING CURETTES.

*E-480	Clark's, set of 3, in case	3 20
E-481	Clark's, set of 3 with 1 handle	2 50
*E-482	Clark's, set of 3 with 1 handle, in paper box	2 75
*E-483	Clark's, set of 3 with 1 handle, in case with aluminum rack	3 50
E-485	Holbrook's, set of 2 with 1 handle	3 25
E-490	Sims', 3 sizes	each 1 50
E-495	Skene's, 3 sizes	each 1 50
E-500	Thomas', 3 sizes	each 1 25
E-505	Combined Set, 3 curettes with 1 large handle, best quality	2 25

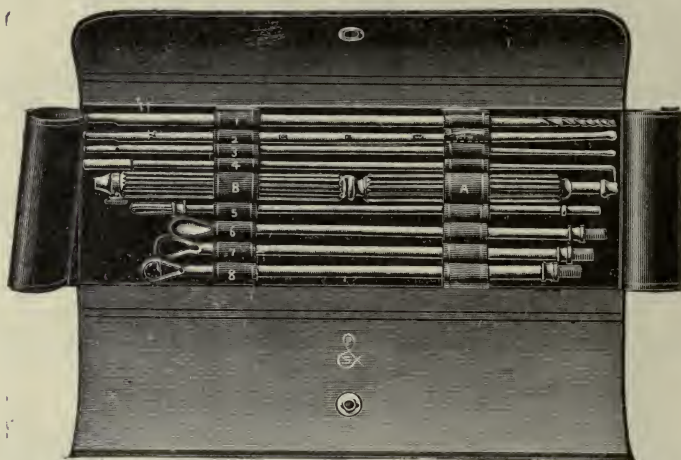
QUALITY GUARANTEED.—Specify section letter and number in ordering.

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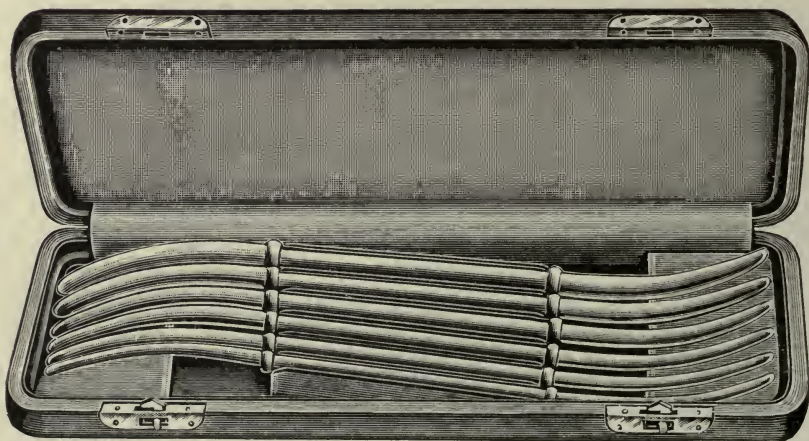
Gynaecic Instruments



E-510



E-515



E-530

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Gynaecic Instruments



CURETTES.

- E-510 Set of 3 rinsing curettes, 1 sharp, 1 dull, and 1 spoon in leather covered, satin lined case \$2 00
 E-515 Berlin Gynaecological Set, consisting of 3 rinsing curettes, 1 tenaculum, 1 probe, 1 Simpson's sound, 1 applicator, 1 sponge holder, and 2 handles, in flexible morocco case 3 50

DEPRESSORS.

- E-520 Braun's 2 00
 E-525 Sims', double ended 1 00

DILATORS.

- E-530 Hank's, set of 6 metal dilators, in case 6 00
 *E-535 Outerbridge's, set of 6 dilating stems, 3 straight and 3 curved, with introducer 3 00
 *E-540 Outerbridge's, dilating stems, straight, 3 sizes each 35
 *E-545 Outerbridge's, dilating stems, curved, 3 sizes each 35
 *E-550 Sims', vaginal, glass, 6 sizes each 30
 *E-555 Sims', vaginal, hard rubber, 4 sizes each 90
 E-560 Tents, sea tangle, solid, per doz., \$1.00; hollow, per doz. 1 25
 E-565 Tents, sponge, straight, per doz., \$1.50; curved, per doz. 3 00
 *E-570 Tents, tupelo wood, solid, per doz., \$1.00; hollow, per doz. 1 25

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Gynaecic Instruments

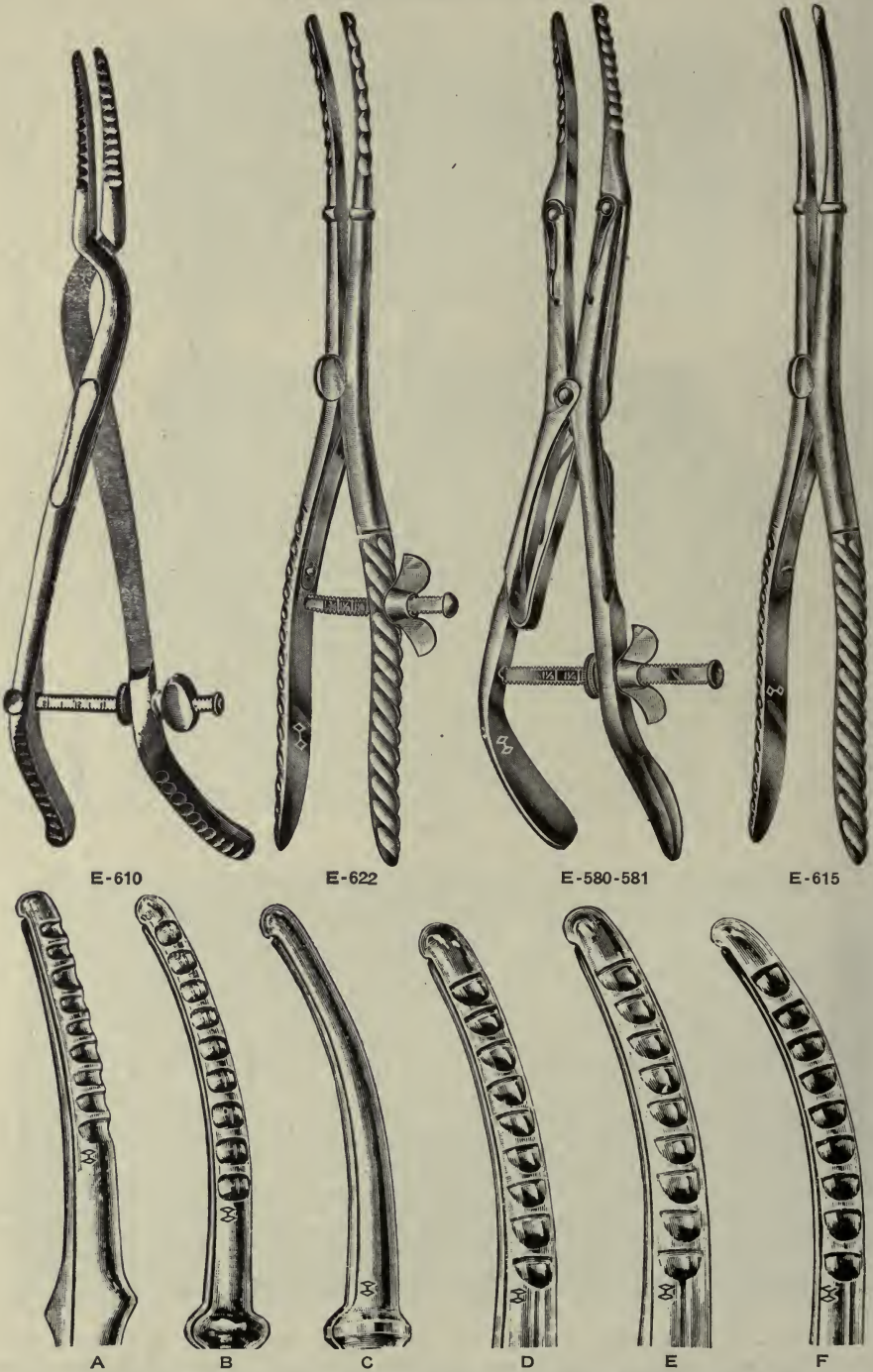
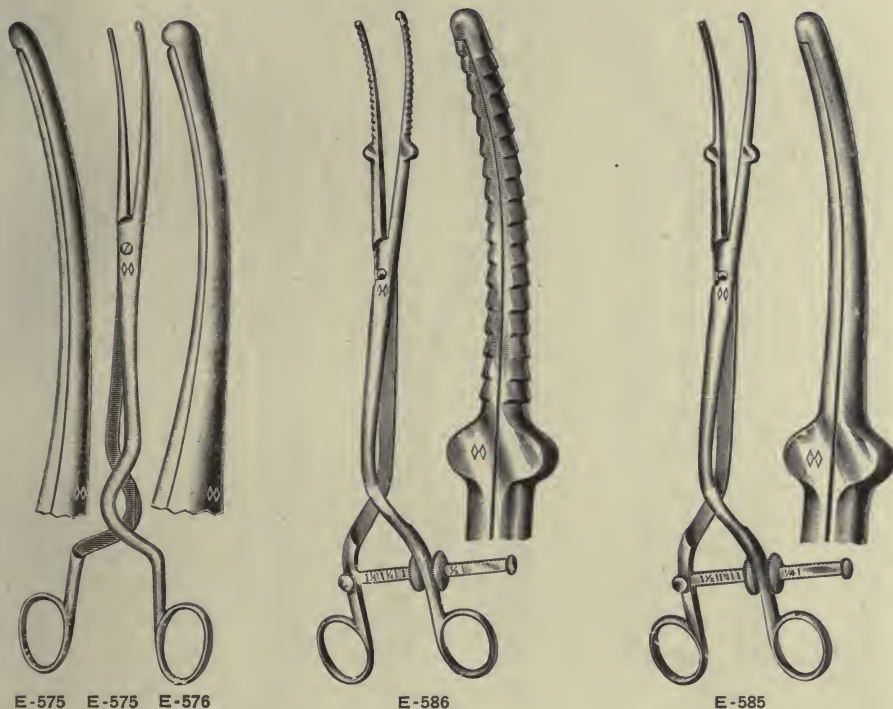


Illustration shows full size of dilator blades. A, Palmer's improved; B, Wylie's serrated; C, Wylie's plain; D, Goodell's small; E, Goodell's large; F, Wathen's.

Gynaecic Instruments



UTERINE DILATORS.

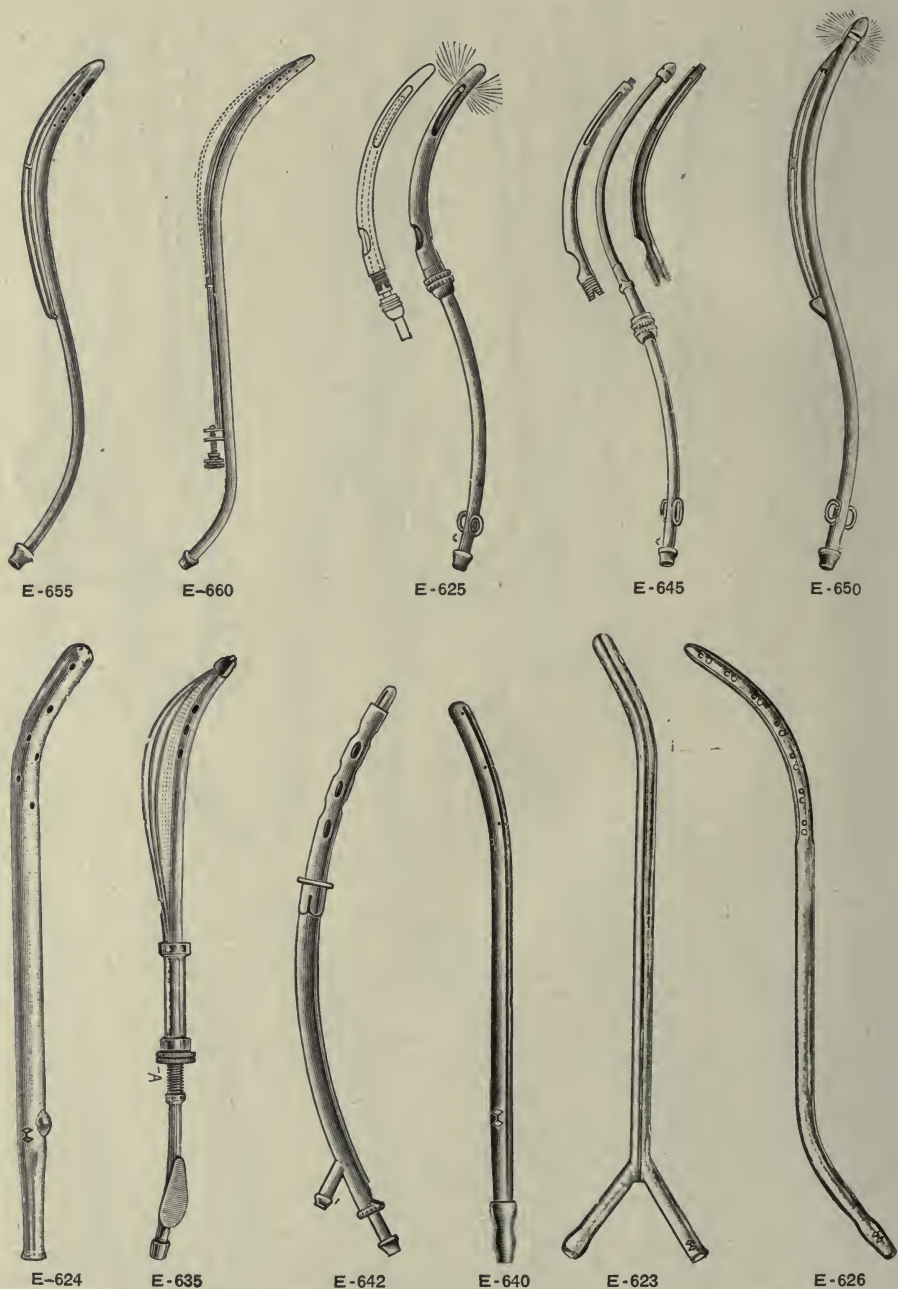
E-575	Atlee's, slender blades	\$2 00
E-576	Atlee's, regular blades	2 00
E-580	Goodell's, small blades, Fig. D	5 50
E-581	Goodell's, large blades, Fig. E	5 50
*E-582	Nott's, slender blades	2 00
*E-583	Nott's, regular blades	2 00
E-585	Palmer's, Haslam model, plain blades	2 00
E-586	Palmer's, Haslam model, serrated blades	2 25
E-590	Palmer's, improved, Haslam model, Fig. A, illustration page 379	3 00
*E-595	Pryor's	3 00
E-600	Richter's, with parallel dilating blades, illustration page 379	6 00
E-602	Richter's, with 4 dilating blades, illustration page 379	18 00
*E-605	Starlinger's, double end	1 75
E-610	Wathen's, Fig. F	3 00
E-615	Wylie's, with plain blades, Fig. C	2 25
*E-617	Wylie's, with serrated blades, Fig. B	2 50
*E-620	Wylie's, with set screw, plain blades, Fig. C	2 50
E-622	Wylie's, with set screw, serrated blades, Fig. B	2 75

Note.—We call special attention to the Douglass point that we use on our uterine dilators. This point is well shown in Figs. A, B, C, D, E and F. It has two distinct advantages: first, an easy introduction; secondly, it eliminates the danger of pinching the tissues in withdrawal. We furnish this point with all of our dilators unless otherwise specified.

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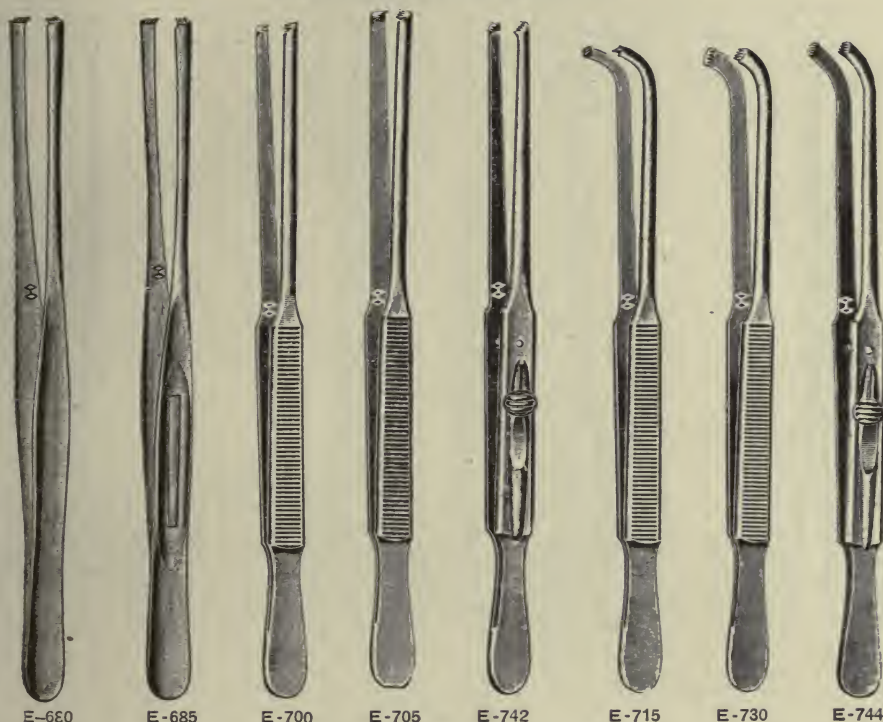
Gynaecic Instruments



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Gynaecic Instruments

DOUCHES AND TISSUE FORCEPS.
GLASS UTERINE DOUCHE TUBES.

E-623	Chamberlain's	\$0 40
E-624	Garrigue's	40
E-626	Toporski's	75

METAL UTERINE DOUCHE TUBES.

E-625	Bozeman's	1 50
*E-630	Bozeman's, extra large	2 25
E-635	Climax	2 25
E-640	Edgar's	1 75
E-642	Glasgow's	1 25
E-645	Kelly's, aseptic	2 25
E-650	Langstaff's	1 00
E-655	Leonard's	1 00
E-660	Leonard's, dilating	1 25
*E-665	Reade-Jennison's	1 50
*E-670	Talley's, same as Leonard's, very small	1 00

TISSUE FORCEPS.

*E-675	Hegar's	2 75
E-680	Kelly's, 9 inches long, plain handle, 4 and 5 teeth	2 00
E-685	Kelly's, 9 inches long, fenestrated handle, 4 and 5 teeth	2 00
*E-690	Manton's, curved, with slide catch	2 25
*E-695	Plain, straight, 8 inches long, 1 and 2 teeth	1 20
E-700	Plain, straight, 8 inches long, 2 and 3 teeth	1 35
E-705	Plain, straight, 8 inches long, 3 and 4 teeth	1 50
*E-710	Plain, straight, 8 inches long, 4 and 5 teeth	1 75
E-715	Plain, curved, 8 inches long, 1 and 2 teeth	1 35
*E-720	Plain, curved, 8 inches long, 2 and 3 teeth	1 50
*E-725	Plain, curved, 8 inches long, 3 and 4 teeth	1 75
E-730	Plain, curved, 8 inches long, 4 and 5 teeth	2 00
*E-735	Saenger's, straight, 8 1/4 inches long, 1 and 2 teeth	2 50
*E-740	Saenger's, curved, 8 1/4 inches long, 1 and 2 teeth	2 50
E-742	Slide Catch, straight, 8 inches long, 3 and 4 teeth, \$1.75; 4 and 5 teeth	2 00
E-744	Slide Catch, curved, 8 inches long, 3 and 4 teeth, \$2.00; 4 and 5 teeth	2 25

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Gynaecic Instruments



E-802



E-795



E-790



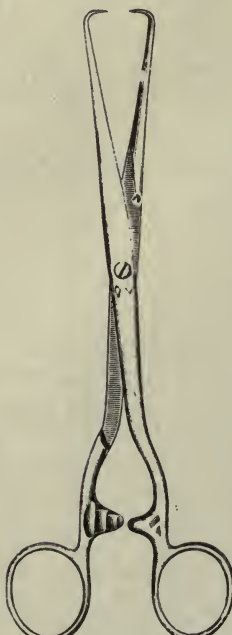
E-810



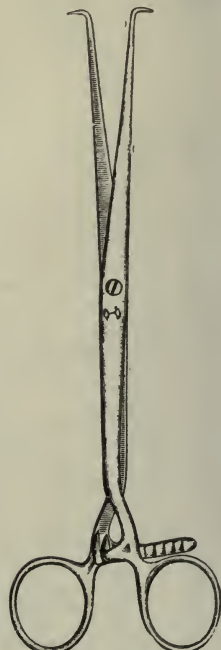
E-820



E-800



E-787

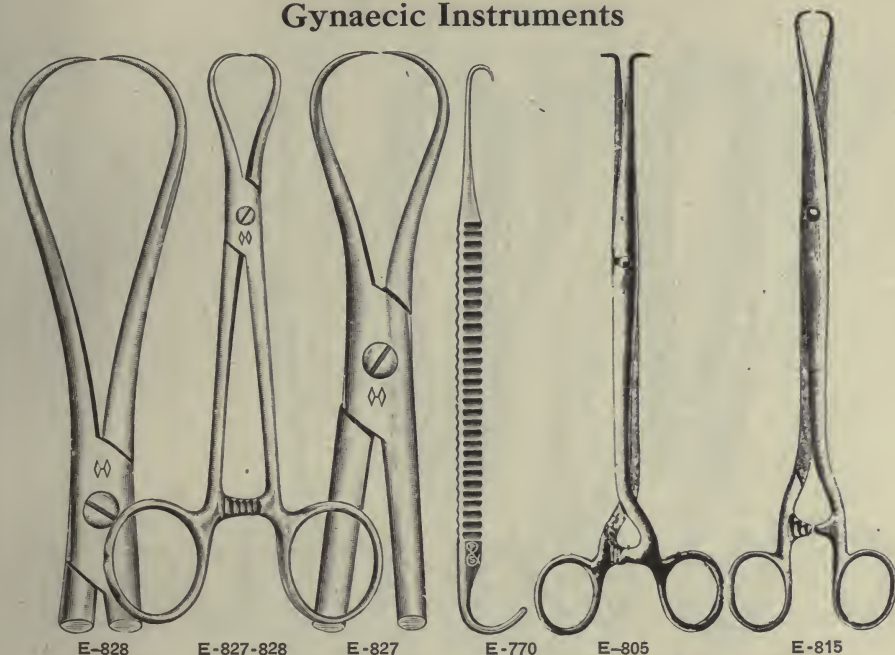


E-788

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Gynaecic Instruments



TENACULUMS AND TENACULUM FORCEPS.

TENACULUMS.

*E-750	Emmet's, angular	\$0 75
E-755	Emmet's, right angled	75
E-760	Emmet's, round	75
E-765	Emmet's, double angle	75
E-770	Kelly's	75
*E-775	Kelly's, shepherd crook	90
*E-780	Perry's, barbed	1 25
E-785	Sims'	75

TENACULUM FORCEPS.

E-787	Barrett's, straight, 7 inch	1 50
E-788	Barrett's, cross action, 7 inch	2 25
E-790	Braun's	1 50
E-795	Donoghue's	2 50
E-800	Duplay's	2 25
E-802	Goelet's, angular	2 00
E-805	Newman's	2 25
E-810	Pozzi's	2 25
E-815	Schroeder's	1 50
E-820	Skene's, curved on edge	1 50
*E-825	Staupe's, for portio vaginalis, 5½ inch	1 25
E-827	Staupe-Moore's, small, 6¼ inch	1 50
E-828	Staupe-Moore's, large, 6¼ inch	1 50
*E-829	Wylie's	1 50

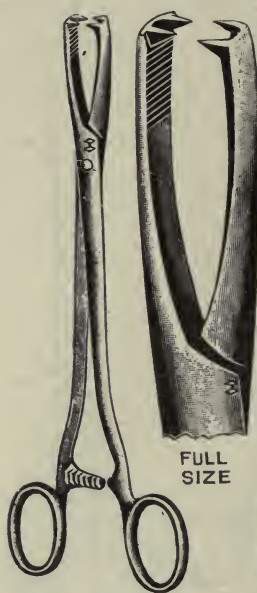
TRACTOR.

E-765	E-830	Pryor's, utero-tractor, for illustration see page 386.....	4 00
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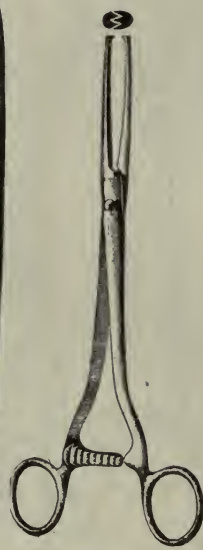
Gynaecic Instruments



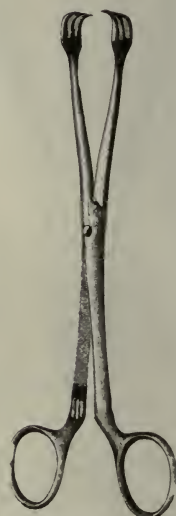
E-845



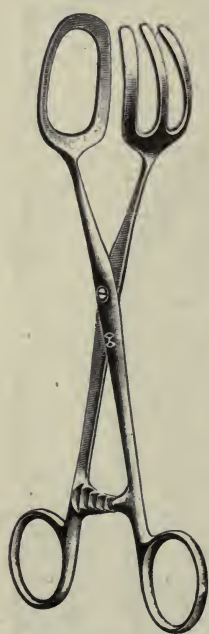
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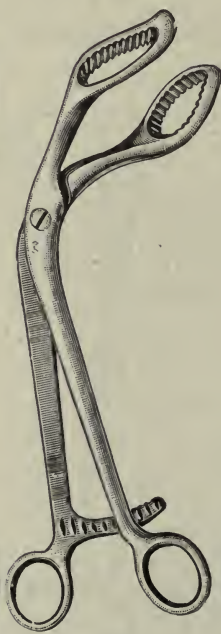
E-887



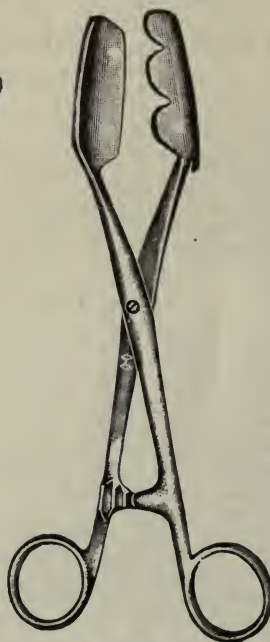
E-850



E-831



E-834



E-832

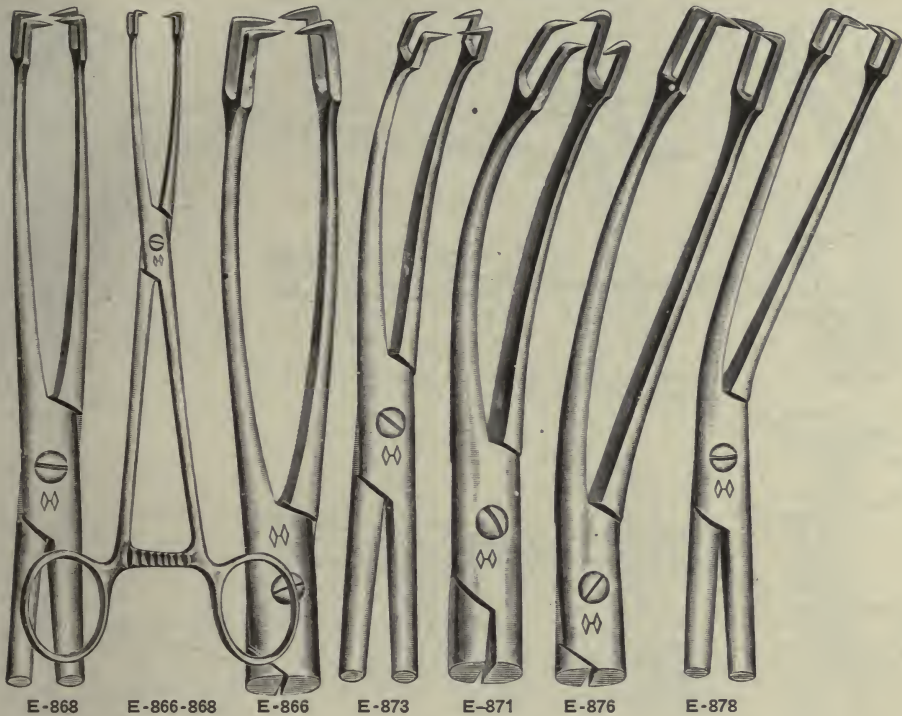


E-830

QUALITY GUARANTEED.—Specify section letter and number in ordering.

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Gynaecic Instruments



ELEVATING FORCEPS.

E-831	Allen's, for grasping the fundus of the uterus	\$4 50
E-832	Barrett's, for grasping the fundus of the uterus	3 50
*E-833	Berry's, for grasping the fundus of the uterus	4 50
E-834	Somer's, for grasping the fundus of the uterus	5 00

OVARIAN FORCEPS.

*E-838	Barrett's, for clamping the tube and holding the ovary at the same time...	2 75
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VULSELLUM FORCEPS.

*E-835	Donoghue's, small, \$3.50; large	4 50
*E-840	Doyen's, 9½ inch	2 50
E-866	Haslam's, straight, 9 inch	2 00
E-868	Haslam's, straight, 7 inch	1 75
E-871	Haslam's, curved on flat, 9 inch	2 0
E-873	Haslam's, curved on flat, 7 inch	1 75
E-876	Haslam's, curved on edge, 9 inch	2 00
E-878	Haslam's, curved on edge, 7 inch	1 75

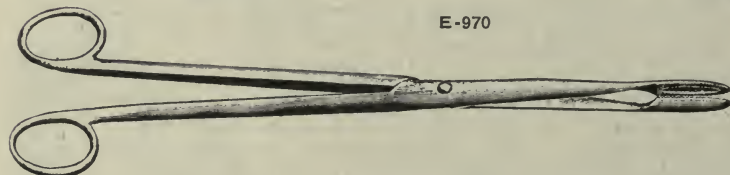
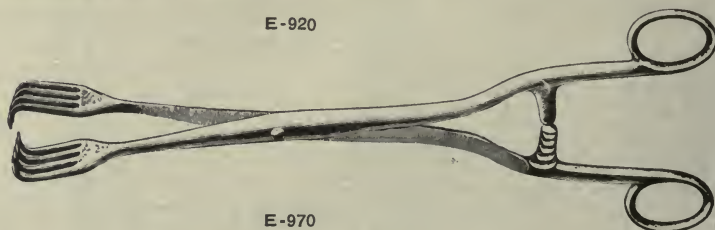
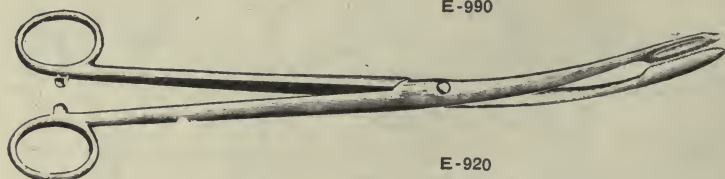
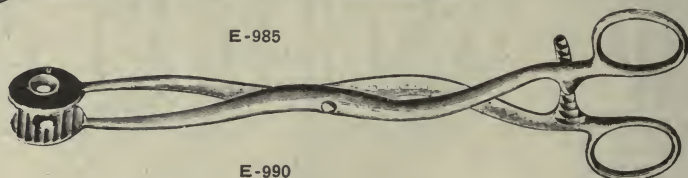
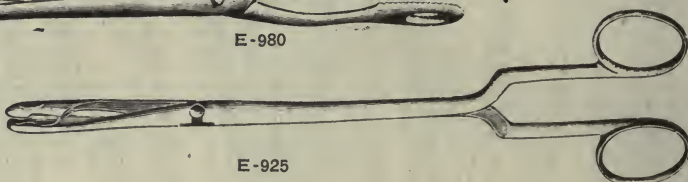
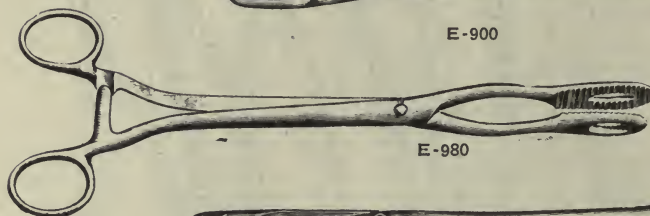
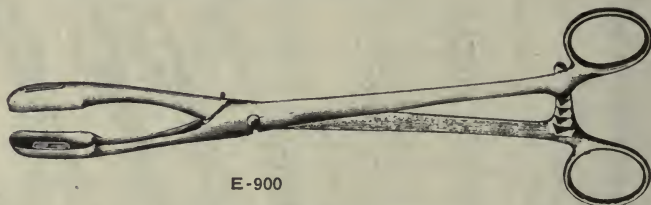
Special attention is called to the size and shape of the teeth, and the elastic rounded shanks of the Haslam forceps, combining the best points of the best patterns of all the vulsellum forceps.

E-842	Henrotin's, 8¼ inch	2 25
E-845	Jacob's, 8¼ inch	2 25
E-850	Massachusetts General Hospital, small, \$1.75; large	3 00
*E-855	Orthmann's	3 25
*E-860	Pryor's, blunt, 9¼ inch	2 75
*E-865	Schroeder's, straight	1 75
*E-870	Schroeder's, curved on flat	2 00
*E-875	Schroeder's, curved on edge	2 00
*E-880	Schultz's	2 00
*E-885	Teale's, curved	2 50
E-887	Trelat's	2 25

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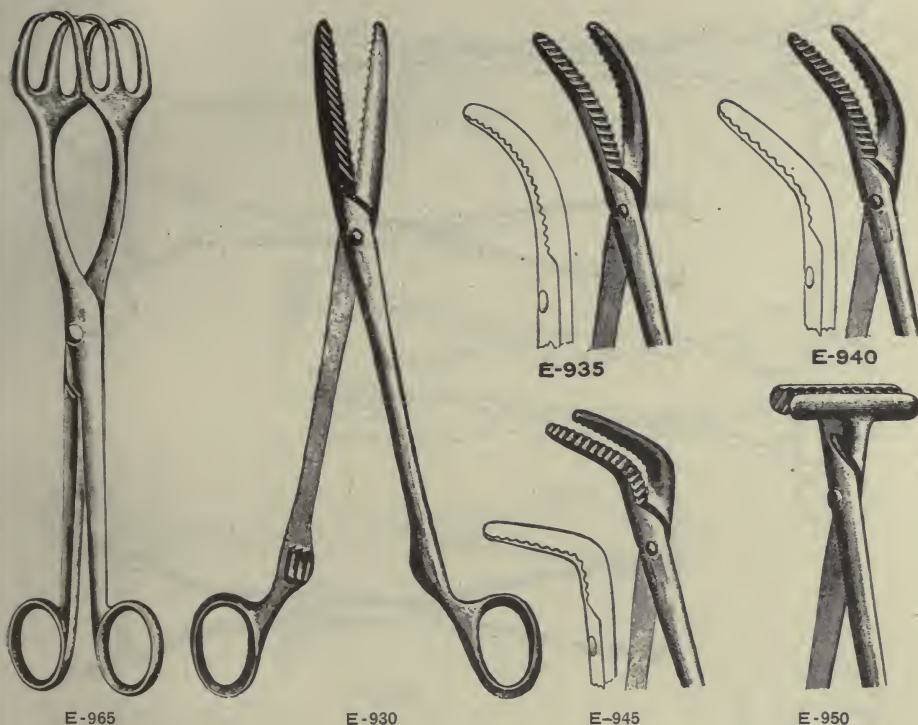
Gynaecic Instruments



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Gynaecic Instruments



POLYPUS FORCEPS.

E-900	Doyen's, cutting, 3 sizes	each \$4 25
*E-905	Longyear's	2 00
E-910	Maier's, straight, plain	1 75
*E-915	Maier's, straight, with catch	2 00
E-920	Maier's, curved, with catch	2 00
E-925	Schultz's, cutting	2 50

PEDICLE FORCEPS.

E-930	Spencer-Wells', straight	2 00
E-935	Spencer-Wells', curved	2 25
E-940	Spencer-Wells', angular	2 25
E-945	Spencer-Wells', right angled	2 50
E-950	Spencer-Wells', T shape	2 50

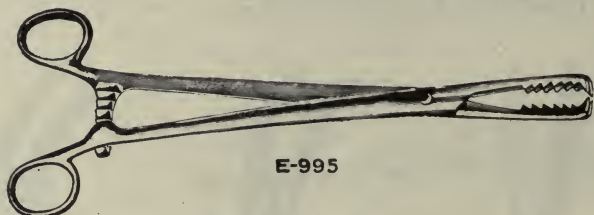
TUMOR FORCEPS.

E-965	Billroth's, 6 prong, 10½ inch, heavy	3 75
E-970	Billroth's, 8 prong, 10½ inch, with catch	2 75
E-975	Donoghue's, 8 prong, heavy, (illustration page 391)	4 50
E-980	Mathieu's, cyst	4 00
E-985	Nelaton's, cyst	4 25
E-990	Nyrop's, cyst	4 25

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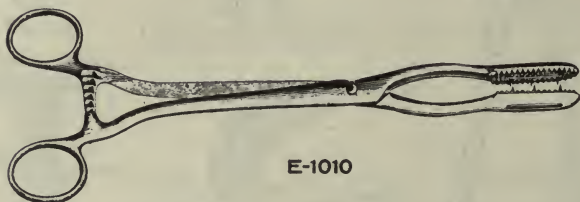
Gynaecic Instruments



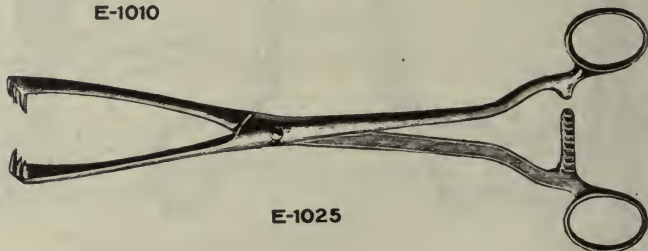
E-995



E-1020



E-1010



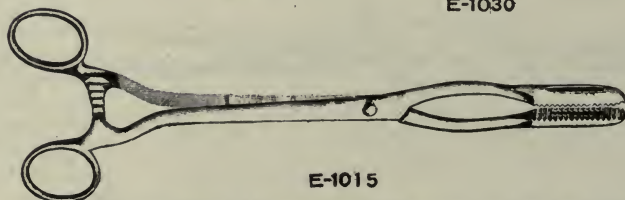
E-1025



E-1005



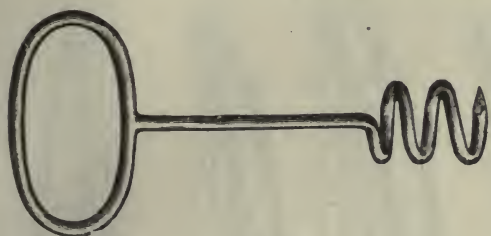
E-1030



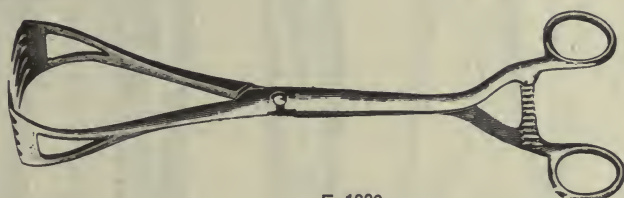
E-1015

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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Gynaecic Instruments



E-1045



E-1000

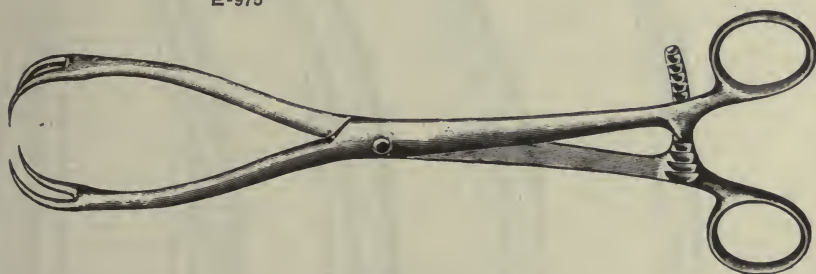


3



4

E-975



E-1035

TUMOR FORCEPS.

E-995	Pryor's, morcellation	\$3 25
E-1000	Reverdin's, large, 10 teeth	9 00
E-1005	Segond's, morcellation, with pronged jaw	4 50
E-1010	Segond's, morcellation, oval form, with pronged jaw	4 75
E-1015	Segond's, morcellation, without prongs	4 00
E-1020	Segond's, grasping, 2 teeth on each side	3 00
E-1025	Segond's, grasping, 3 teeth on each side	3 50
E-1030	Segond's, grasping, 4 teeth on each side	3 75
E-1035	Williams', heavy, 4 prong	5 00

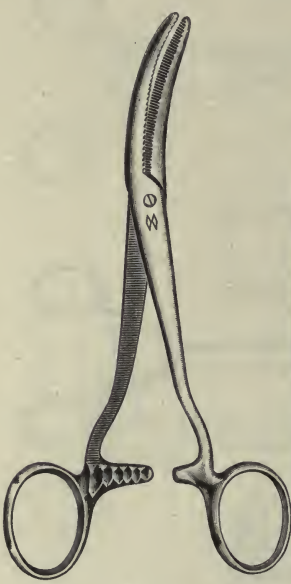
TUMOR SCREWS.

*E-1040	Delageniere's	1 25
E-1045	Doyen's	1 50

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Gynaecic Instruments



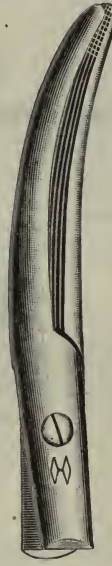
E-1070



E-1070



E-1048



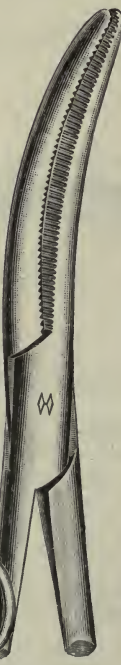
E-1046



E-1065



E-1072



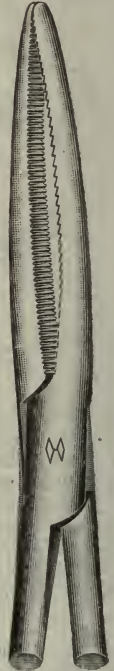
E-1072



E-1049



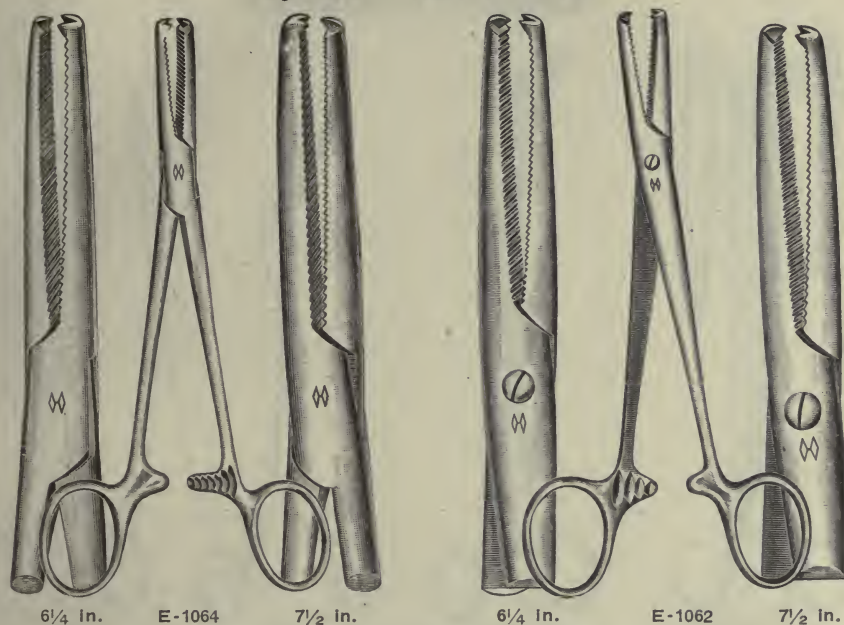
E-1047



E-1066

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Gynaecic Instruments



HYSTERECTOMY FORCEPS.

E-1046	Carmalt's, screw lock, 6¼ inch, \$1.50; 8 inch	\$1 75
E-1047	Carmalt's, box lock, 6¼ inch, \$1.75; 8 inch	2 00
E-1048	Carmalt's, toothed, screw lock, 6¼ inch, \$1.50; 8 inch	1 75
E-1049	Carmalt's, toothed, box lock, 6¼ inch, \$1.75; 8 inch	2 00
*E-1105	Ferguson's, screw lock, 6½ inch, \$1.50; 7½ inch	1 75
*E-1110	Ferguson's, angiotriptic, straight, screw lock, 6½ inch, \$1.50; 7½ inch	1 75
*E-1112	Ferguson's, angiotriptic, curved on flat, screw lock, 6½ inch, \$1.75; 7½ in.	2 00
Ferguson's Forceps illustrated on page 101.		
E-1062	Ochsner's, screw lock, 6¼ inch, \$1.25; 7½ inch	1 75
E-1064	Ochsner's, box lock, 6¼ inch, \$1.50; 7½ inch	2 00
E-1065	Pean's, straight, long jaw, cross or longitudinal serrations.	
	Total length, inches	8 9½ 10¼ 11
	Jaw length, inches	1½ 2 2½ 3 3½
	Price, each	\$1.50 \$1.75 \$2.00 \$2.25 \$2.50 \$2.75
E-1066	Pean's, straight, long jaw, cross serrations, box lock, 6¼ inch, \$1.50; 8 inch	2 00
E-1070	Pean's, curved on flat, long jaw, cross or longitudinal serrations.	
	Total length, inches	7 8 8¾ 9½ 10¼ 11
	Jaw length, inches	2½ 2¾ 2¾ 2¾ 3¼ 3½
	Price, each	\$1.75 \$2.00 \$2.25 \$2.50 \$2.75 \$3.00
E-1072	Pean's, curved on flat, long jaw, cross serrations, box lock, 6¼ inch, \$1.75; 8 inch	2 00
*E-1075	Pean's, curved on edge, long jaw, cross or longitudinal serrations.	
	Total length, inches	7 8 8¾ 9½ 10¼ 11
	Jaw length, inches	2½ 2¾ 2¾ 2¾ 3¼ 3½
	Price, each	\$1.50 \$1.75 \$2.00 \$2.25 \$2.50 \$3.00
*E-1080	Pean's, double curved on flat, long jaw, cross serrations.	
	Total length, inches	7 8 8¾ 9½ 10¼ 11
	Jaw length, inches	1½ 2½ 3½ 4 4¼ 4½
	Price, each	\$2.25 \$2.40 \$2.60 \$2.80 \$3.00 \$3.15
*E-1085	Pean's, angled on edge, long jaw, cross or longitudinal serrations.	
	Total length, inches	7 8 8¾ 9½ 10¼ 11
	Jaw length, inches	2 2½ 2¾ 2¾ 3¼ 3½
	Price, each	\$1.50 \$1.75 \$2.00 \$2.25 \$2.50 \$3.00

Note.—Longitudinal serrations, if wanted, will cost 15 cents more than prices listed above. Jaw lengths given follow the line of curve.

*E-1090	Rochester, longitudinal serrations, screw lock, 6¼ inch, same as E-1046...	1 50
*E-1091	Rochester, longitudinal serrations, box lock, 6¼ inch, same as E-1047.....	1 75
*E-1092	Rochester, cross serrations, screw lock, 6¼ inch, same as E-1070.....	1 50
*E-1093	Rochester, cross serrations, box lock, 6¼ inch, same as E-1072.....	1 75
*E-1094	Rochester, straight, toothed, box lock, 6¼ inch, \$1.50; 7½ inch, same as E-1064	2 00

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Gynaecic Instruments



E-1050



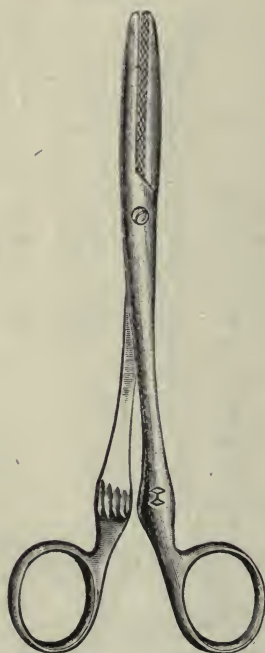
E-1165



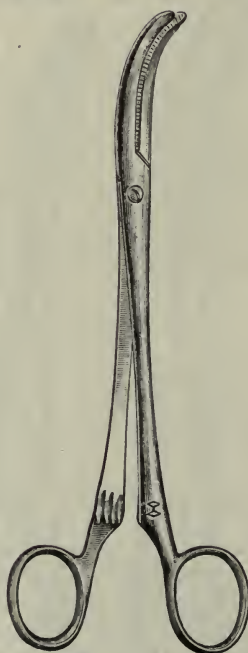
E-1170



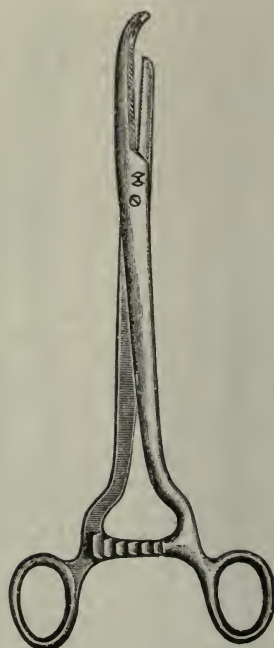
E-1134



E-1052



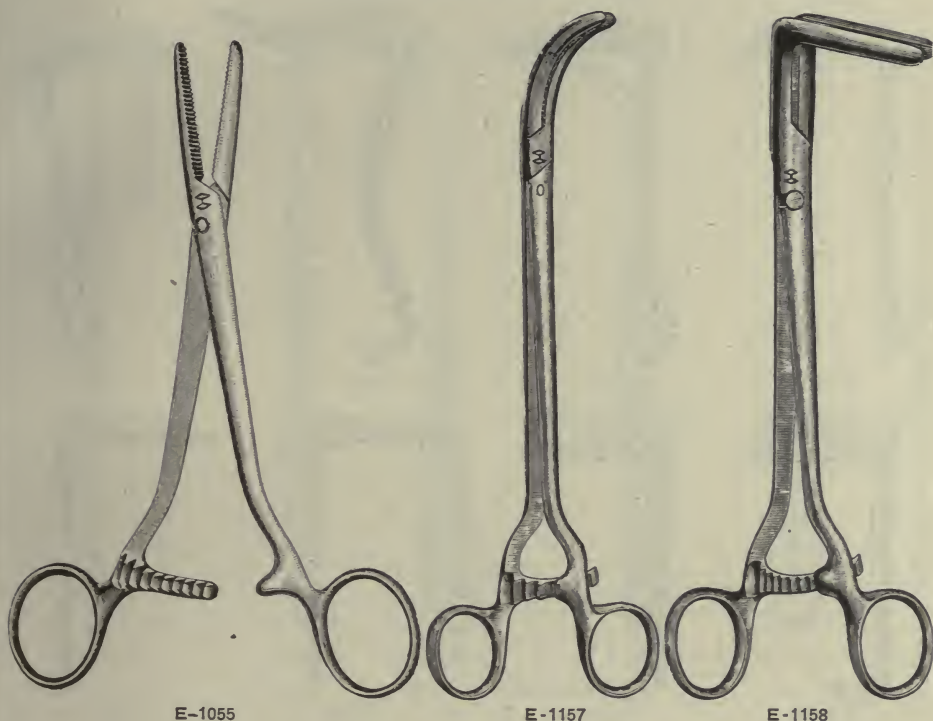
E-1053



E-1152

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Gynaecic Instruments



E-1055

E-1157

E-1158

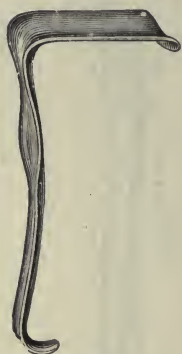
HYSTERECTOMY FORCEPS.

E-1052	Deaver's, straight, screw joint, 7½ inch	\$2 50
E-1053	Deaver's, curved, screw joint, 6½ inch	2 50
E-1050	Doyen's, straight, 8 inch, \$2.25; 11 inch	2 50
E-1055	Jacob's, straight, short jaw, cross serrations, 7¼ inch, \$2.00; 8 inch, \$2.25; 9¼ inch	2 50
*E-1056	Jacob's, straight, short jaw, longitudinal serrations, 7¼ inch, \$2.25; 8 inch, \$2.50; 9 inch	2 75
*E-1115	Keith's	2 00
*E-1060	Leonard's, curved on flat, light flexible blades	2 25
*E-1120	Luer's, straight, fenestrated jaw, 8 inch	3 50
*E-1125	Luer's, curved, fenestrated jaw, 8 inch	3 75
*E-1132	Moynihan's, straight, 8½ inch	3 25
E-1134	Moynihan's, curved on flat, 8½ inch	4 50
*E-1145	Polk's, straight, elastic blades, 7¼ inch, \$2.50; 8¼ inch	2 75
*E-1150	Pryor's, set of 6 forceps, with 1 pair of detachable handles	12 50
E-1152	Sherk's, with ligature carrier	3 50
*E-1155	Terrillon's, straight, fenestrated, 11 inch	5 00
E-1157	Wertheim's, curved on flat, fine serrations, 10¼ inch	3 50
E-1158	Wertheim's, right angled, longitudinal serrations, 10¼ inch	3 50
*E-1160	Wight's, straight, elastic blades	2 50
E-1165	Wight's, curved, elastic blades	2 75
*E-1175	Wight's, straight, fenestrated, 7¼ inch	4 00

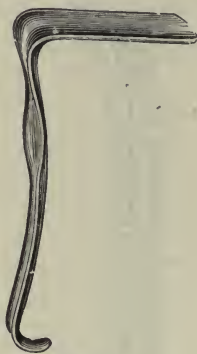
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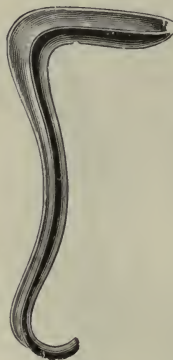
Gynaecic Instruments



E-1230



E-1240



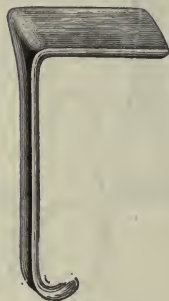
E-1285



E-1255



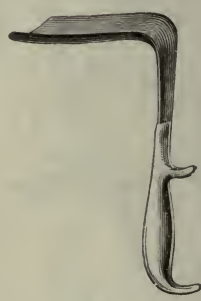
E-1235



E-1245



E-1225



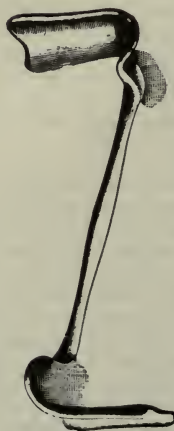
E-1220



E-1280



E-1275



E-1265



E-1250

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Gynaecic Instruments



UTERINE KNIVES.

E-1190	Barrett's, trachelorrhaphy	\$1 75
E-1195	Buttle's, scarifier	1 25
*E-1197	Cole's, hysterectomy knife and spud	1 75
E-1200	Kelly's, vesico vaginal fistula	2 75
E-1205	Kelly's, for depleting the cervix	1 75
E-1210	Newman's, trachelorrhaphy	1 75
E-1215	Pryor's, for splitting the uterus	1 75

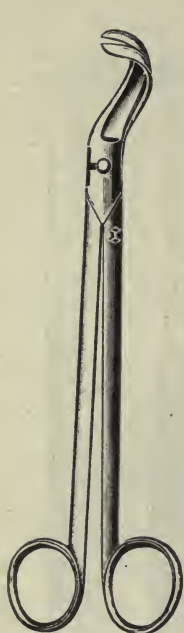
VAGINAL RETRACTORS.

E-1220	Doyen's, 6 sizes, $2\frac{3}{8} \times 2\frac{3}{8}$ in., $2\frac{3}{8} \times 4$ in., $2\frac{3}{8} \times 4\frac{3}{4}$ in., $1\frac{3}{4} \times 2\frac{3}{8}$ in., $1\frac{3}{4} \times 4$ in., $1\frac{3}{4} \times 4\frac{3}{4}$ in.	each 2 75
E-1225	Doyen-Kelly's, 6 sizes, same dimensions as E-1220	each 2 75
E-1230	Eastman's, 6 sizes, $1\frac{1}{8} \times 2\frac{1}{2}$ in., $1\frac{1}{8} \times 3$ in., $1\frac{1}{8} \times 3\frac{1}{2}$ in., $1\frac{1}{2} \times 2\frac{1}{2}$ in., $1\frac{1}{2} \times 3$ in., $1\frac{1}{2} \times 3\frac{1}{2}$ in.	each 1 50
E-1235	Eastman's, heavy, same dimensions as E-1230	each 1 75
E-1240	Jackson's, 6 sizes, $1\frac{1}{8} \times 3$ in., $1\frac{1}{8} \times 3\frac{1}{2}$ in., $1\frac{1}{8} \times 4$ in., $1\frac{1}{2} \times 3$ in., $1\frac{1}{2} \times 3\frac{1}{2}$ in., $1\frac{1}{2} \times 4$ in.	each 1 10
E-1245	Jackson's, heavy, 6 sizes, same dimensions as E-1240	each 1 35
E-1250	Kelly's, anterior vaginal	2 25
E-1255	Kelly-Sims', 3 sizes	each 1 50
*E-1260	Martin's, single	1 50
E-1265	Martin's, double	2 25
*E-1270	Pryor's, grooved	3 75
E-1275	Pryor-Pean's	2 50
E-1280	Pryor's, trowel pattern	2 75
E-1285	Sims', 3 sizes	each 1 50

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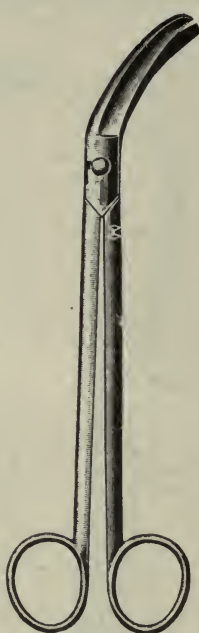
Gynaecic Instruments



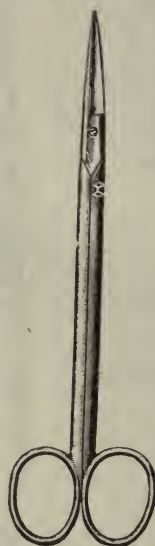
E-1320 R



E-1315 L



E-1315 R



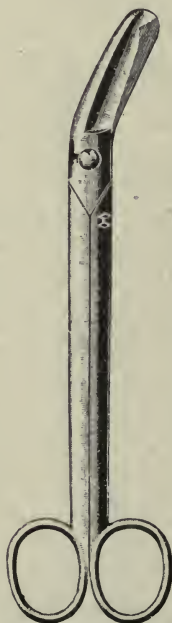
E-1328



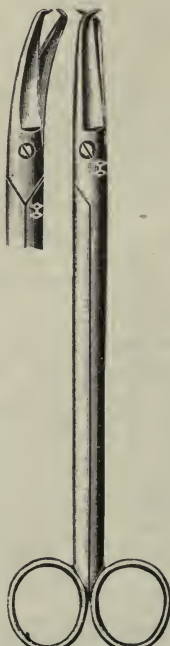
E-1340



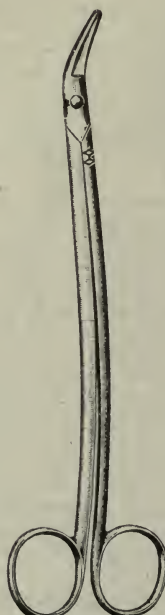
E-1350



E-1330



E-1300-1305



E-1378



E-1288

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Gynaecic Instruments



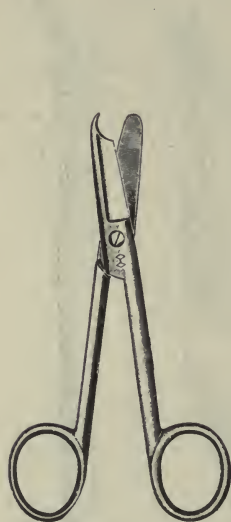
UTERINE SCISSORS.

E-1286	Angular, 2 points sharp, 8 inch	\$0 00
E-1288	Bozeman's, double curved, 7 inch	2 00
*E-1290	Bozeman's, curved, right and left	2 25
*E-1295	Byford's, curved on flat	2 50
E-1300	Dawson's, straight, tenaculum points	2 25
E-1305	Dawson's, curved on flat, tenaculum points	2 50
E-1310	Emmet's, angular bent	2 06
E-1315	Emmet's, lesser curved, right and left	2 50
E-1320	Emmet's, full curved, right and left	2 50
*E-1325	Emmet's, latest, short, right and left	2 50
E-1330	Hanks', trachelorrhaphy, right and left	2 50
E-1335	Jenks', curved on flat, perineal	1 75
E-1338	Kelly's, straight, vesico vaginal fistula, 6¼ inch	2 00
E-1340	Kelly's, curved on flat, vesico vaginal fistula, 6¼ inch	2 00
*E-1345	Sims', bent on flat, probe pointed	1 75
*E-1346	Sims', bent on flat, blunt pointed, 7¼ inch	1 75
E-1350	Sims', bent on edge, probe pointed, 8 inch	1 75
*E-1355	Sims', curved on flat, serrated edges, 8 inch	2 00
	No. 1, two blunt points; No. 2, one sharp point; No. 3, two sharp points.	
*E-1360	Sims', straight, serrated edges, 8 inch	1 75
	No. 1, two blunt points; No. 2, one sharp point; No. 3, two sharp points.	
E-1365	Sims', straight, 8 inch	1 40
	No. 1, two blunt points; No. 2, one sharp point; No. 3, two sharp points.	
E-1366	Sims', straight, one probe point, 8 inch	1 50
E-1370	Sims', curved on flat, 8 inch	1 65
	No. 1, two blunt points; No. 2, one sharp point; No. 3, two sharp points.	
*E-1372	Sims', straight, heavy, hand forged English steel, 8 inch	2 00
	No. 1, two blunt points; No. 2, one sharp point; No. 3, two sharp points.	
*E-1374	Sims', curved on flat, heavy, hand forged English steel, 8 inch	2 25
	No. 1, two blunt points; No. 2, one sharp point; No. 3, two sharp points.	
*E-1375	Skene's, hawk bill, improved pattern	6 50
E-1378	Woods', blade angled on flat, curved handles, 7 inch	2 00

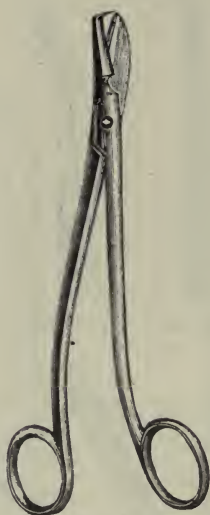
Note.—In ordering uterine scissors please be careful to specify the points wanted, No. 1, No. 2, or No. 3.

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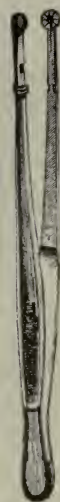
E-1415



E-1410



E-1405



E-1435



E-1430



E-1377



E-1385



E-1390



E-1375



E-1470



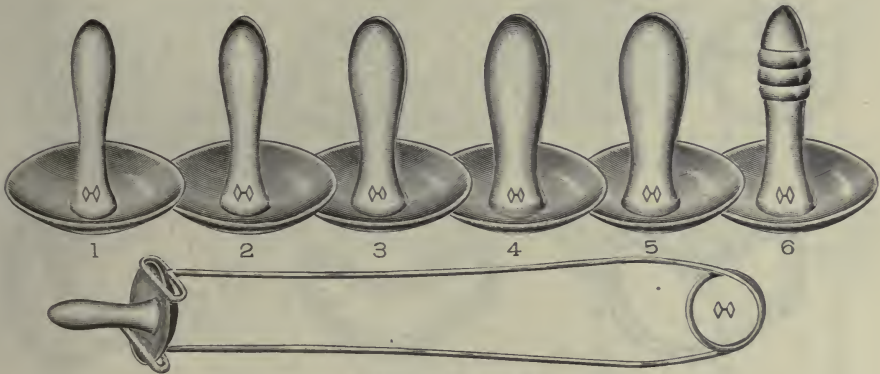
E-1475



E-1425

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Gynaecic Instruments



E-1442-1443-1444-1472

SUTURE INSTRUMENTS.

E-1375 Adjuster, Sims', for perforated shot \$1 00

COUNTER PRESSURE HOOKS.

E-1377 Emmet's, blunt 50
 *E-1380 Nilson's, with fork 1 00
 E-1385 Sims', blunt 50
 E-1390 Sims', pulley 50
 *E-1395 Skene's, ring 1 00
 *E-1400 Wylie's 1 00

WIRE CUTTING SCISSORS.

E-1405 Gusserow's 2 25
 E-1410 Horn's 4 50
 E-1415 Littauer's, $4\frac{1}{2}$ inch, \$1.25; $5\frac{1}{2}$ inch, \$1.25; 8 inch 1 50
 *E-1420 Smith's 1 75

WIRE TWISTERS.

E-1425 Agnew's, with adjuster 1 75
 E-1430 Claessen's, revolving 2 50
 E-1435 Emmet's, wire twisting forceps 2 25

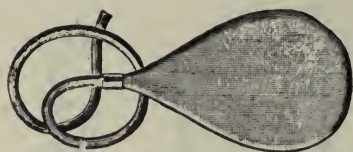
STEM PESSARIES.

*E-1440 Aluminum, 4 sizes, old style, each .25; extra large 50
 E-1442 Aluminum, Haslam's, improved, aseptic, 5 sizes, each .35; extra large 50
 E-1443 Aluminum, Haslam's, improved, aseptic, set of 5 sizes with introducer.... 1 50
 E-1444 Aluminum, Haslam's, improved, aseptic, corrugated stem, 5 sizes....each 50
 The Haslam improved aluminum stem pessaries are made of the very best material, without openings or holes of any character to gather dirt or cause septic troubles, are easily introduced and withdrawn and can be rendered surgically sterile by boiling. The introducer is simple and practical and can also be rendered sterile by boiling.
 *E-1445 Boldt's, hard rubber 60
 *E-1450 Chamber's, self retaining 75
 *E-1455 Plain, straight stem, hard rubber 30
 *E-1458 Soft Rubber, same shape as the aluminum, 3 sizeseach 25
 *E-1460 Thomas', glass 25
 *E-1465 Wylie's, hard rubber 50
 E-1470 Introducer, for aluminum stem pessaries 50
 E-1472 Introducer, Haslam's, wire, see E-1443 25
 E-1475 Introducer, Robertson's, for aluminum stem pessaries 75
 *E-1480 Introducer, for Chamber's stem pessary 1 00

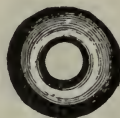
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E-1615



E-1620



E-1622



E-1595



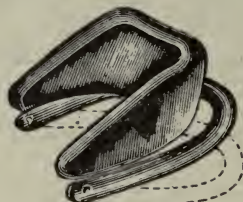
E-1535



E-1635



E-1580



E-1650



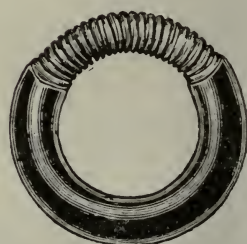
E-1665



E-1645



E-1550



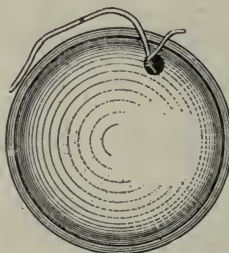
E-1625



E-1640



E-1660



E-1590

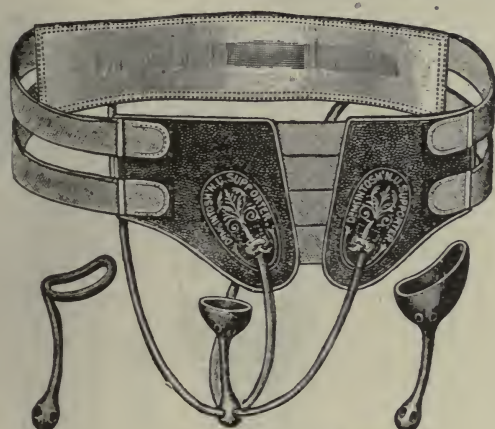


E-1630

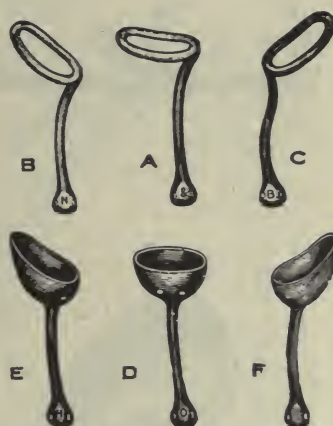
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Gynaecic Instruments



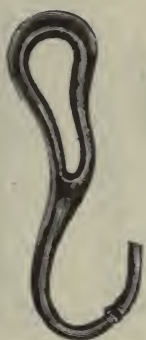
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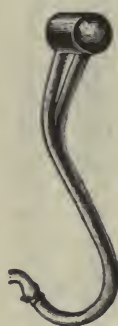
E-1612-1614



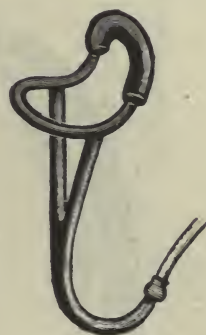
E-1560



E-1555



E-1565



E-1570

PESSARIES.

	Each.
E-1535 Bow, 7 sizes, retroversion	\$0 20
*E-1538 Clayton's, celluloid, flesh color, 60 to 100 mm. in diameter, 5 sizes	1 75
E-1550 Cutter-Thomas', with belt, for prolapsus	1 25
E-1555 Cutter-Thomas', with belt, for anteversion	1 50
E-1560 Cutter-Thomas', with belt, for anteversion	1 25
E-1565 Cutter-Thomas', with belt, for retroversion	1 50
E-1570 Cutter-Thomas', with belt, for retroversion	1 50
*E-1575 Fowler's, retroversion, plain	1 75
E-1580 Fowler's, retroversion, with bow	50
*E-1585 Globe, glass, for prolapsus, from 1½ to 4 inches in diameter	90
E-1590 Globe, hard rubber, for prolapsus, 4 sizes	20
E-1595 Hodge's, 6 sizes	1 50
*E-1600 Hoffman's, soft rubber, 5 sizes	1 50
*E-1605 Hoffman's, soft rubber, with sac, 1 size only	2 50
E-1610 McIntosh's, with belt, for prolapsus	50
E-1612 McIntosh cups, hard rubber, D prolapsus, E anteversion, F retroversion....	50
E-1614 McIntosh rings, hard rubber, A prolapsus, B anteversion, C retroversion...	35
E-1615 Pear shape, soft rubber, for prolapsus	25
E-1620 Ring, soft rubber, inflated, 4 sizes	35
E-1622 Ring, soft rubber, inflatable, with stem, 4 sizes	40
E-1625 Ring, soft rubber, with spiral spring	1 35
*E-1626 Ring, Meyer's, solid Para rubber, 55 to 75 mm., each .75; 80 mm., .90; 85	
and 90 mm., each \$1.15; 95 mm., \$1.25; 100 mm.	1 00
*E-1628 Ring, Meyer's, hollow Para rubber, 55 to 75 mm., each .60; 80 mm., .65; 85	
and 90 mm., .75; 95 mm., .90; 100 mm.	50
E-1630 Ring, hard rubber, concave	20
E-1635 Smith's, hard rubber, retroversion, 7 sizes	50
E-1640 Smith's, soft rubber, elastic	75
E-1645 Thomas', hard rubber, anteversion	75
E-1650 Thomas', hard rubber, anteversion	50
*E-1655 Thomas-Smith's, hard rubber, retroflexion	75
E-1660 Thomas-Smith's, soft rubber, elastic, retroflexion	1 75
E-1665 Zwank's, hard rubber	

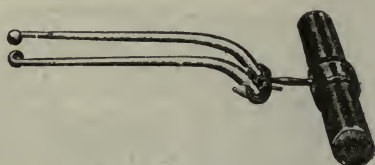
Obstetric Instruments



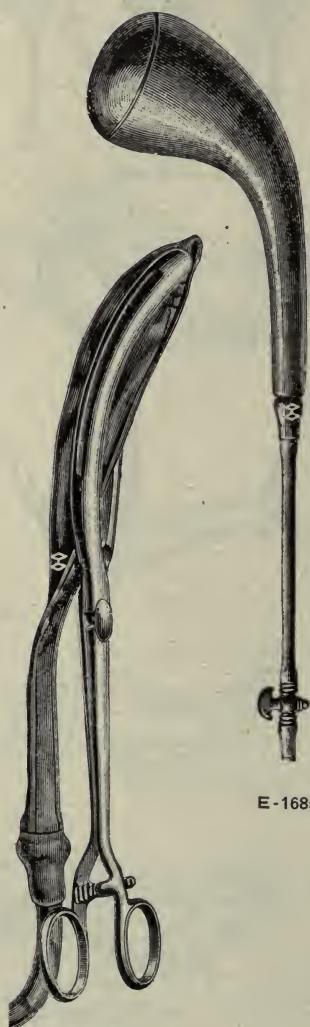
E-1790



E-1792



E-1795



E-1695

E-1685



E-1700



E-1690



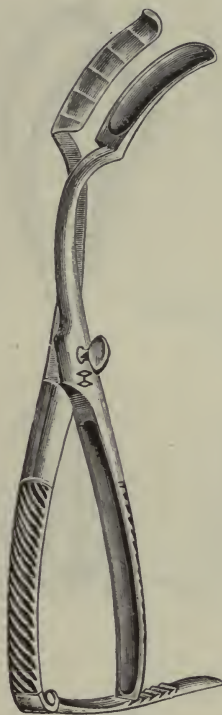
E-1670

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Obstetric Instruments



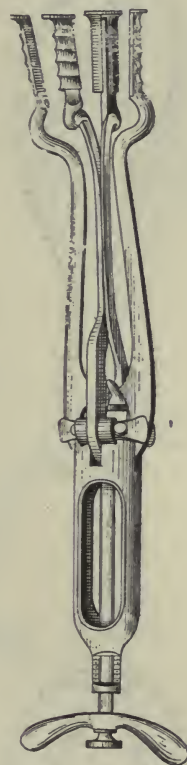
E-1720



E-1724



E-1722



E-1715

COLPEURYNTERS.

E-1670	Barnes', soft rubber, 3 sizes, per set, \$1.50; each, .50; stop cock, extra.....	\$0 25
*E-1675	Braun's, soft rubber, with stop cock	75
*E-1680	Braun's, soft rubber, with stop cock and belt	2 25
E-1685	Champetier de Ribes, large pattern, with stop cock, 3 sizes.....each	3 50
E-1690	Champetier de Ribes, small pattern, no stop cock, 3 sizes.....each	2 75
E-1695	Forceps, for introducing large pattern	3 25
E-1700	Forceps, for introducing small pattern	3 00
*E-1705	Voorhees', pear shaped, set of 4 sizes	2 50

DILATORS.

E-1715	Bossi's, Aesculapius modification	32 00
E-1720	Higgins', modification of Bossi's, 5 branches	24 00
E-1722	Hirst's, (John C.,) with smooth blades and screw for gradual dilatation....	14 00
E-1724	Norris', (Richard,) with corrugated blades and ratchet catch	12 00

OBSTETRIC FORCEP HANDLE CLAMP.

E-1790	Reynold's	1 50
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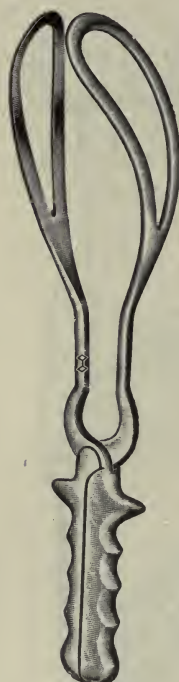
OBSTETRIC FORCEP TRACTION HOOKS.

E-1792	McClintock's, bar	2 00
E-1795	Reynold's, hooks	2 50

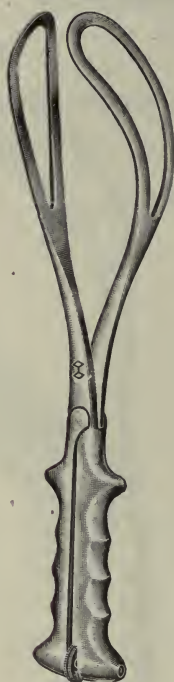
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Obstetric Instruments



E-1730



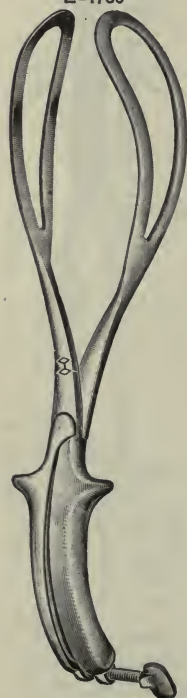
E-1735



E-1740



E-1750



E-1760



E-1770



E-1775



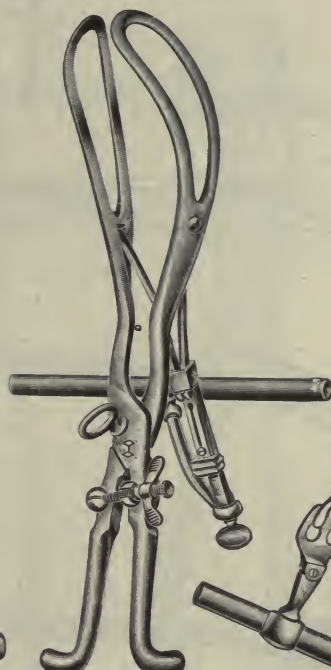
E-1745

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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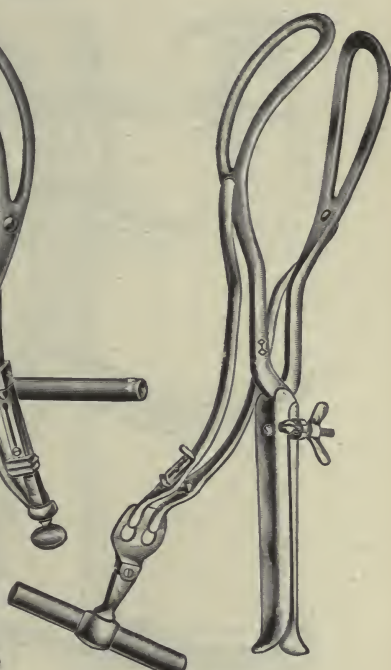
Obstetric Instruments



E-1755



E-1780



E-1765

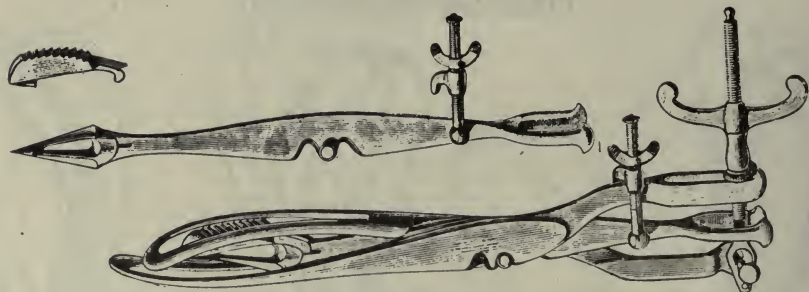
OBSTETRIC FORCEPS.

E-1730	Barnes-Simpson's, long	\$6 00
*E-1732	Boisligniere's, (St. Louis), long	7 00
*E-1734	Braun's, modified Simpson, long	6 00
E-1735	Elliott's, long	4 50
E-1740	Elliott's, short	4 50
*E-1742	Felsenreich's, axis traction, long	18 00
*E-1744	Hale's, long	4 50
E-1745	Hale's, short	4 00
*E-1747	Higgins', axis traction, complete with rod, long	7 50
E-1750	Hodge's, long	4 00
E-1755	Jewett's, axis traction, long	15 00
E-1760	Leavitt's, long	5 00
*E-1762	Lusk's, axis traction, long	18 00
*E-1764	McLean's, long, solid blade	6 00
E-1765	Milne-Murray's, axis traction	13 50
E-1770	Simpson's, long	4 50
E-1775	Simpson's, short	4 50
E-1780	Tarnier's, axis traction, long	18 00
*E-1785	Wallace's, long	4 75
*E-1786	Webster's, modification of Milne-Murray's, axis traction, same as E-1765..	13 50
*E-1788	Willis', axis traction	12 00

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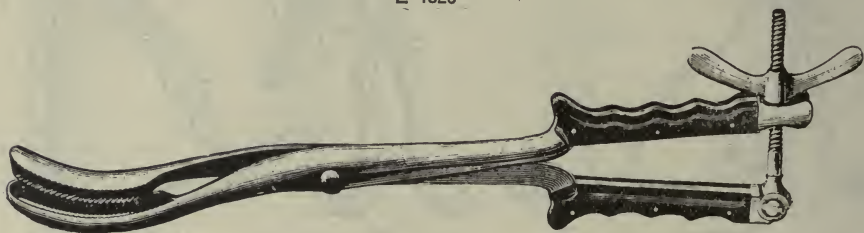
Obstetric Instruments



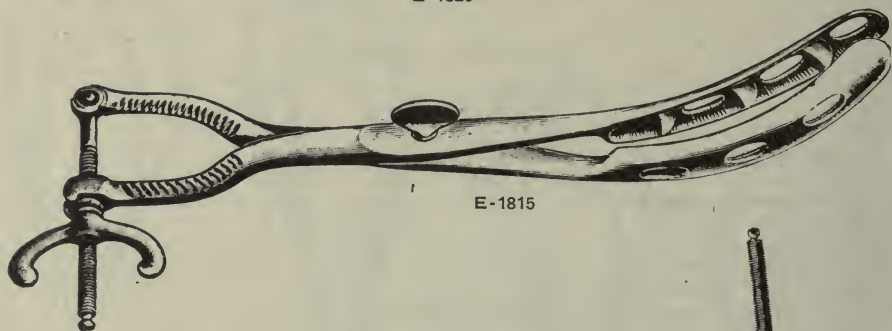
E-1800



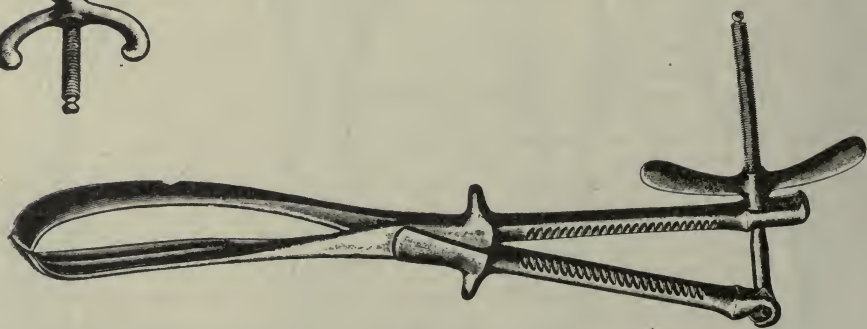
E-1825



E-1820



E-1815



E-1812

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 on items marked net.

Obstetric Instruments



E-1828

E-1835

E-1840

E-1845

BASIOTRIBES.

E-1800 Tarnier's, with perforator, latest model	\$30 00
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CEPHALOTRIBES.

*E-1805 Braun's	18 00
*E-1810 Lusk's, aseptic	15 00
E-1812 Olshausen's	15 00
E-1815 Tarnier's, latest	27 00

CRANIOCLASTS.

E-1820 Braun's, aseptic	10 00
E-1825 Simpson's, aseptic	7 00

CRANIOTOMY FORCEPS.

E-1828 Elliott's, curved	3 50
*E-1830 Meig's, curved	3 25
E-1835 Meig's, straight	3 00
E-1840 Thomas'	4 00

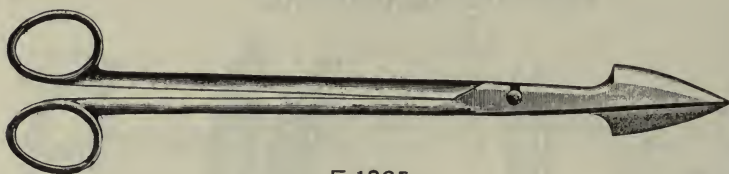
. VECTIS.

E-1845 Plain, with blunt hook	1 75
*E-1850 Plain, with handle	2 00

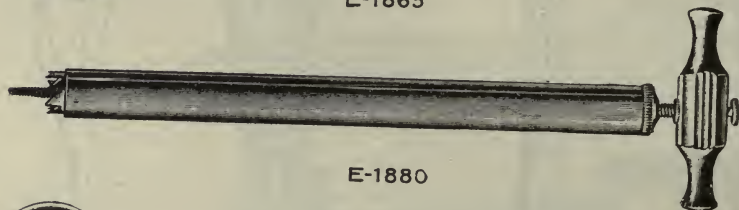
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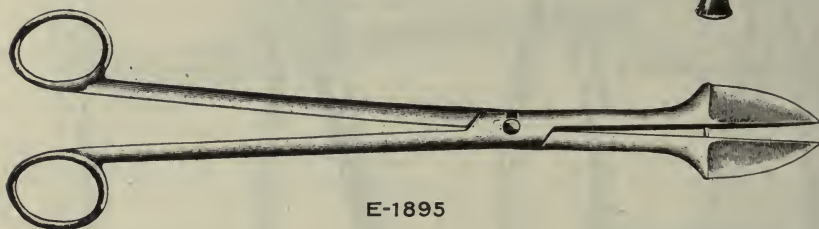
Obstetric Instruments



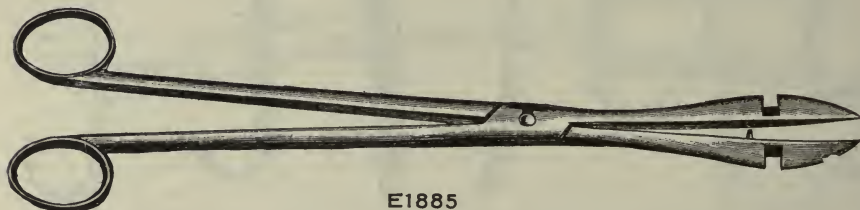
E-1865



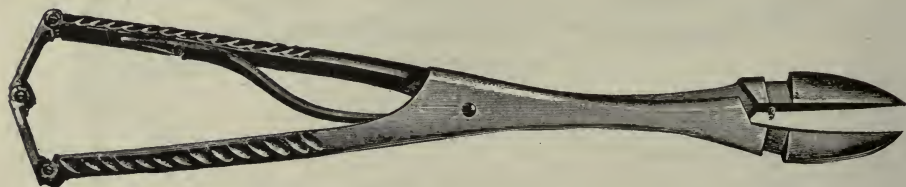
E-1880



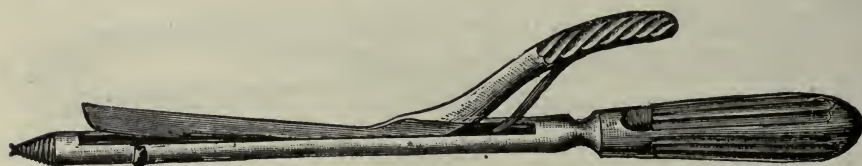
E-1895



E1885



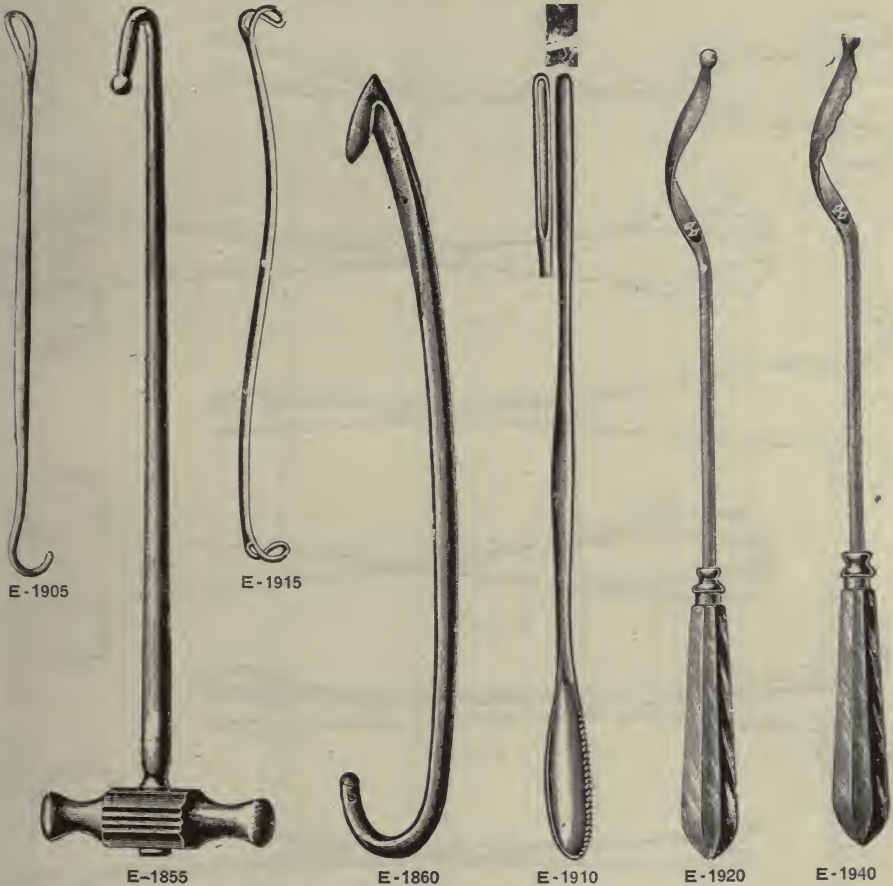
E-1890



E-1900

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Obstetric Instruments



BLUNT HOOKS.

E-1855	Braun's	\$2. 25
E-1860	Plain, with crochet	1 50

PERFORATORS.

E-1865	Bedford's	.....	2 25
*E-1870	Blot's	.....	5 00
*E-1872	Braun's, trephine perforator	.....	10 00
*E-1875	Naegeli's	.....	4 00
E-1880	Rapin's, trephine	.....	6 00
E-1885	Simpson's, original model	.....	2 50
*E-1890	Simpson's, English pattern	.....	6 00
E-1895	Smellie's	.....	2 00
E-1900	Thomas'	.....	6 00

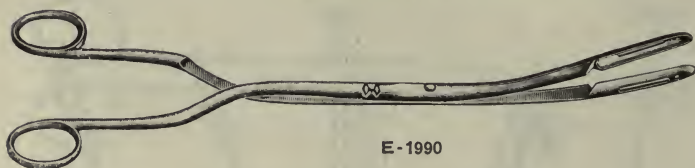
PLACENTA CURETTES.

E-1905	Dewey's, with hook	.....	1 00
E-1910	Engelman's, serrated edge	.....	2 25
E-1915	Leavitt's, hook shape	.....	1 00
E-1920	McDade's, plain	.....	1 75
*E-1925	McDade's, serrated edge	1 75
E-1940	McDade's, serrated edge, irrigating	3 00

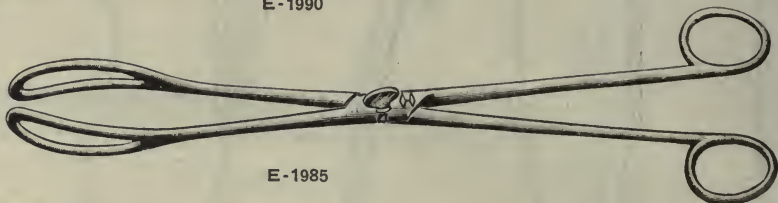
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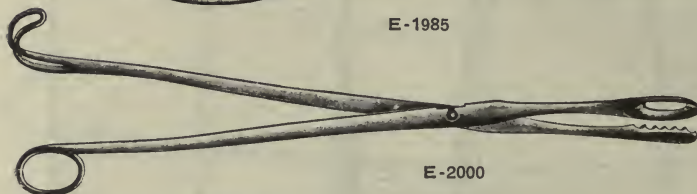
Obstetric Instruments



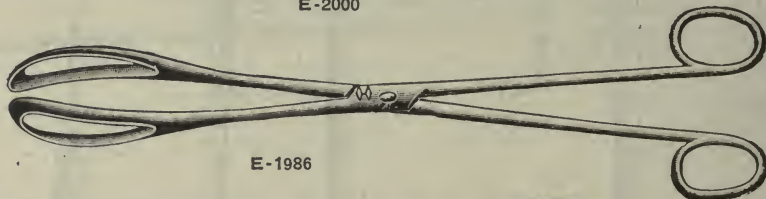
E-1990



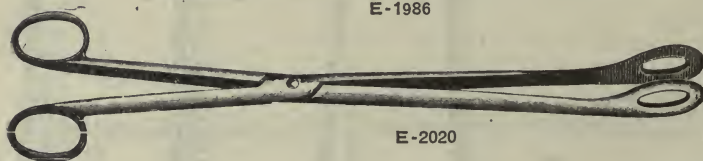
E-1985



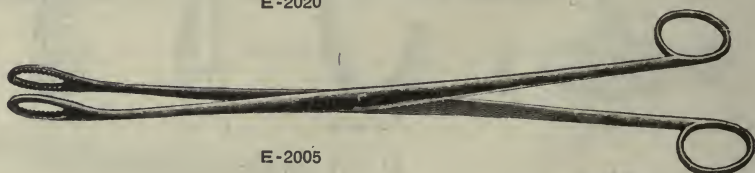
E-2000



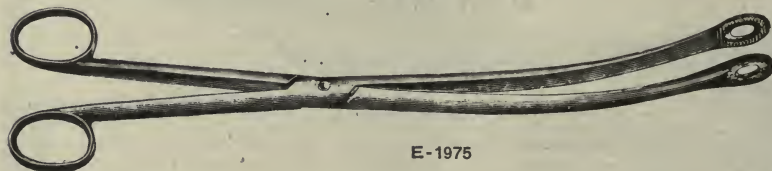
E-1986



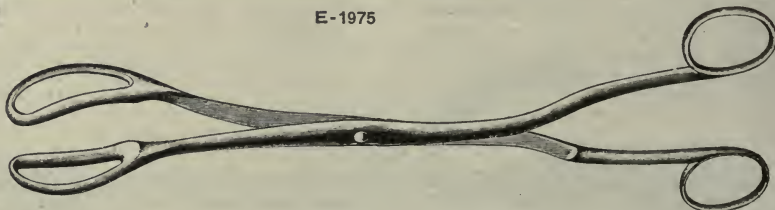
E-2020



E-2005



E-1975

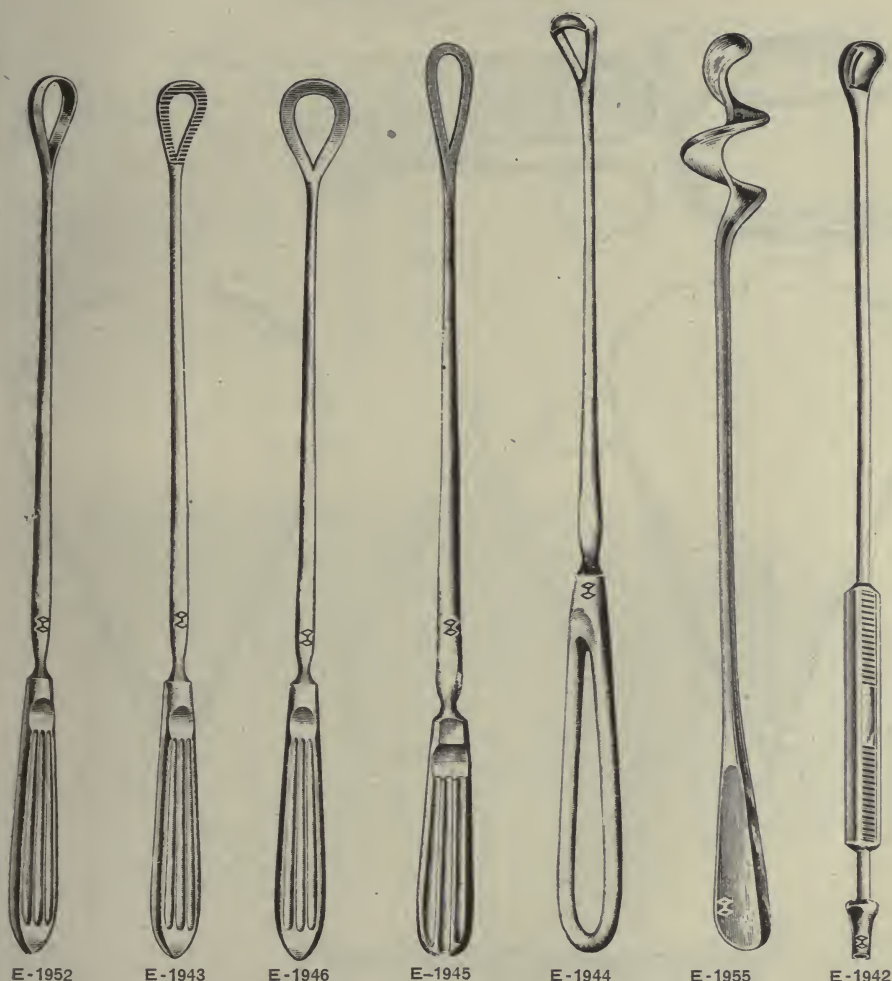


E-1995

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Obstetric Instruments



PLACENTA CURETTES.

E-1942	Goldstein's, irrigating	\$1 25
E-1943	Green's, serrated	.....	1 50
E-1944	Hirst's, 2 sizes.....each		2 50
E-1945	Munde's, original	.....	1 75
E-1946	Munde's, improved, broad flat blade, 3 sizes.....each		1 50
*E-1950	Neugebauer's, for excerebration	.....	4 50
E-1952	Reynold's, 3 sizes.....each		1 25
*E-1954	Reynold's, rinsing, 3 sizes each	.....	1 75
E-1955	Spiral, 2 sizes.....each		1 00
*E-1960	Winter's, abortion	.....	2 50
EMBRYOTOMY KNIVES.			
*E-1965	Braun's	.....	2 50
*E-1970	Schultze's	.....	3 50

PLACENTA FORCEPS.

E-1975	Budd's	.....	\$2 25
*E-1980	Chamberlain's	.....	3 50
E-1985	Corey's, ovum, original model	.....	3 50
E-1986	Corey's, placenta, improved model	.....	3 50
E-1990	Emmet's, curette	.....	3 50
E-1995	Grosvenor's	.....	2 50
E-2000	Haslam's, combined with hook and curette	.....	2 50
E-2005	Kelly's	.....	2 25
*E-2010	Leonard's, with curette	..	5 50
*E-2015	Loomis'	4 00
E-2020	Munde's	2 25
*E-2025	Schnetter's	3 00

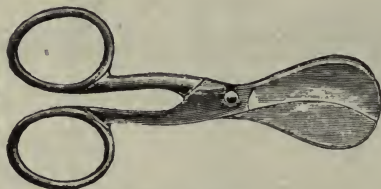
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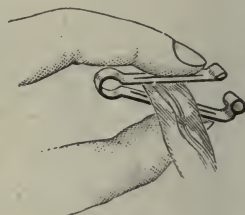
Obstetric Instruments



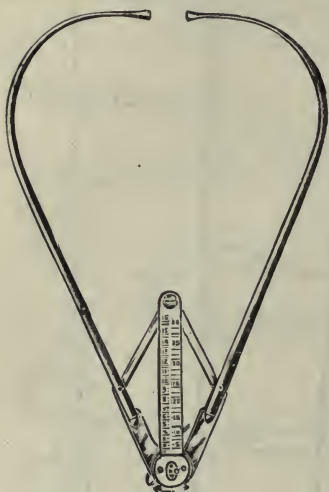
E-2055



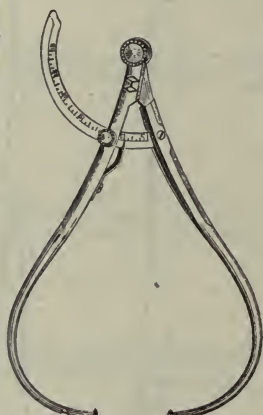
E-2060



E-2058



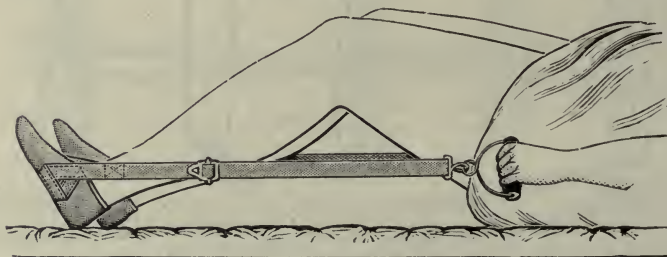
E-2030



E-2050



E-2035



E-2080



E-2085

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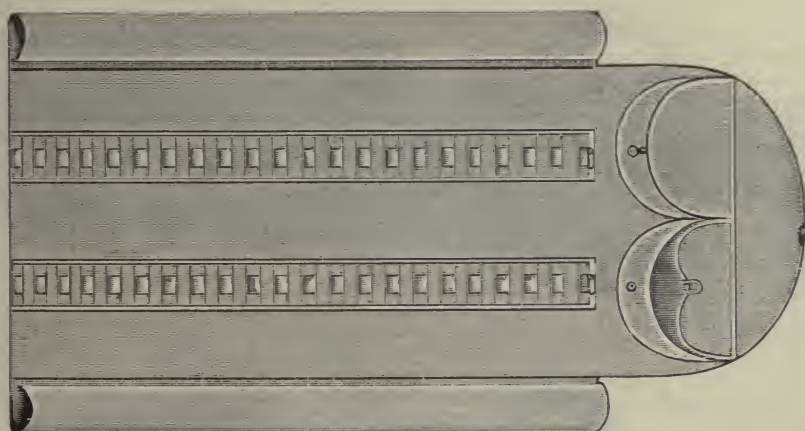
Obstetric Instruments



E-2075

E-2030	Pelvimeter, Carsten's	\$2 50
E-2035	Pelvimeter, Collier's	2 50
*E-2040	Pelvimeter, Collin's	5 00
*E-2045	Pelvimeter, Kuestner's	8 00
E-2050	Pelvimeter, Martin's	6 00
E-2055	Perineal Guard, Tucker's	1 00
E-2058	Umbilical Clamp, (Surehold), each, .25; per dozen	2 25
E-2060	Umbilical Scissors, American pattern	1 00
*E-2065	Umbilical Scissors, Lazarewitsch's	1 75
*E-2070	Umbilical Scissors, straight	1 25
E-2075	Scales, George's, spring	2 50
E-2080	Slippers, Haslam's, obstetric, per pair	2 00
E-2085	Slippers, Von Klein's, obstetric, per pair, \$5.00; in case	6 00

Washable Canvas Instrument Rolls



E-2115	Canvas Roll, No. 1, 12x23 inches, single row of 13 loops	\$1 00
E-2120	Canvas Roll, No. 1, 12x23 inches, double row of 13 loops	1 25
E-2125	Canvas Roll, No. 2, 12x29 inches, single row of 17 loops	1 00
E-2130	Canvas Roll, No. 2, 12x29 inches, double row of 17 loops	1 25
E-2135	Canvas Roll, No. 3, 12x35 inches, single row of 21 loops	1 10
E-2140	Canvas Roll, No. 3, 12x35 inches, double row of 21 loops	1 35
E-2145	Canvas Roll, No. 4, 15x23 inches, single row of 13 loops	1 10
E-2150	Canvas Roll, No. 4, 15x23 inches, double row of 13 loops	1 35
E-2155	Canvas Roll, No. 5, 15x29 inches, single row of 17 loops	1 25
E-2160	Canvas Roll, No. 5, 15x29 inches, double row of 17 loops	1 50
E-2165	Canvas Roll, No. 6, 15x35 inches, single row of 21 loops	1 50
E-2170	Canvas Roll, No. 8, 8x12 inches, single row of 13 loops	75
E-2175	Canvas Roll, No. 8, 8x12 inches, double row of 13 loops	90
E-2180	Canvas Roll, No. 13, 14½x32 inches, with 22 adjustable loops	1 50
E-2185	Canvas Roll, No. 20, 15½x35 inches, with 20 adjustable loops	1 50

These rolls are made of a good grade of canvas, with pocket and adjustable loops that will accommodate any size of instrument. They are clean, much preferred to the old style chammois lined rolls. We carry the white in stock but can furnish them in tan fast color if desired, at short notice.

They are made with either single or double rows of loops.

Sizes No. 1, 2 and 3 are usually used for uterine, urethral and general operating instruments. Nos. 4, 5 and 6 are especially designed for obstetrical instruments.

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Instrument Satchels

Specify "Welemaco" Make



E-2202. OBSTETRIC BAG NO. A 80.

Dimensions: 5 inches in depth and 5 inches in width, made in various lengths. Steel covered frames, nickel springs, double hasp lock with key, etc. It is made of the finest black seal grain bag leather, inside pocket on one side.

PRICES WITHOUT BOTTLES.

10 inches long, leather lined	\$3 10	15 inches long, leather lined	\$3 50
12 inches long, leather lined	3 20	16 inches long, leather lined	3 70
13 inches long, leather lined	3 30	17 inches long, leather lined	3 95
14 inches long, leather lined	3 40	18 inches long, leather lined	4 20

Fitted with six 1½ ounce G. S. bottles on removable tray, 75 cents extra.

Fitted with six 1½ ounce G. S. and M. C. bottles on removable tray, \$1.25 extra.
\$1.25 extra.

E-2204. BERLIN STYLE NO. A 76 BAG.

Made of a very fine quality of soft pliable black calf. Finely finished brass trimmings. Just the bag for carrying a few instruments under the arm. Very light in weight. Leather lined. Dimensions: 6½ inches high and 3 inches wide.



PRICES.

12 inches long	\$4 75
14 inches long	5 00
16 inches long	5 25

E-2206. OBSTETRIC BAG NO. A 84.



Style of Lawyers' Brief Bag.

Made of black seal grain bag leather; handsome frame with brass trimmings. Width at bottom, 6 inches. Height from bottom of bag to top of frame, 8 inches. The outside is made in two pieces. No seams on edges.

PRICES WITHOUT BOTTLES.

12 inches long, leather lined	\$3 60	15 inches long, leather lined	\$4 25
13 inches long, leather lined	3 85	16 inches long, leather lined	4 50
14 inches long, leather lined	4 00	17 inches long, leather lined	4 75
Fitted with six 1½ ounce G. S. bottles, extra	75	18 inches long, leather lined	5 00
Fitted with six 1½ ounce G. S. and M. C. bottles, extra	1 25		

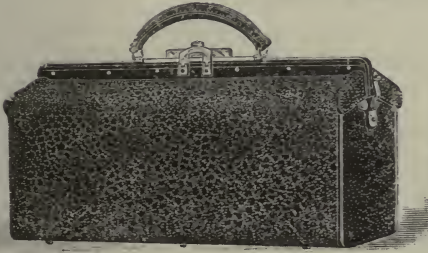
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Instrument Satchels

Specify "Welemaco" Make

E-2200. OBSTETRIC BAG NO. A 82.



Square, Cabinet Bag Style, 6 inches wide, 6 inches high. Opens on top. Made of best grade of bag leather. Leather covered steel frame with full nickel trimmings.

PRICES WITHOUT BOTTLES.

12 inches long, leather lined	\$5 50	16 inches long, leather lined	\$6 25
14 inches long, leather lined	5 75	17 inches long, leather lined	6 50
15 inches long, leather lined	6 00	18 inches long, leather lined	6 75

Fitted with six 1½ ounce G. S. bottles on removable pad, 75 cents extra.

Fitted with six 1½ ounce G. S. and M. C. bottles on removable pad, \$1.25 extra.

E-2208. OBSTETRIC BAG NO. A 405.

Dimensions: 6 inches wide and 7 inches high to top of frame.

Cabinet style. Leather covered steel frame with solid brass lock and end catches.

Made of the finest black long walrus grain bag leather. Full leather lining. A very fine serviceable bag.



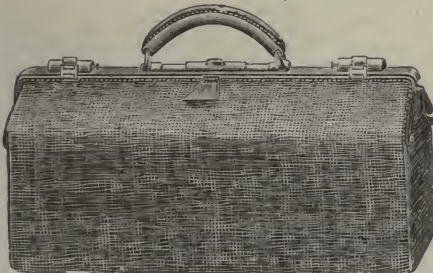
PRICES WITHOUT BOTTLES.

15 inches long	\$7 25	17 inches long	\$7 75
16 inches long	7 50	18 inches long	8 00

Fitted with six 1½ ounce G. S. bottles on removable pad, 75 cents extra.

Fitted with six 1½ ounce G. S. and M. C. bottles on removable pad, \$1.25 extra.

E-2205. OBSTETRIC BAG NO. A 83.



The finest and best made bag of its kind. Square cabinet style, 6½ inches wide, 7 inches high, 15, 16 and 17 inches long. Opens on top. No waste space. Made of the finest black bag stock. Heavy steel frame; with extra strong brass lock and catches. A hand stitched bag. English style. No equal of its kind on the market.

PRICES WITHOUT BOTTLES.

15 inches long, leather lined	\$8 50	17 inches long, leather lined	\$9 00
16 inches long, leather lined	8 75	18 inches long, leather lined	9 75

Fitted with six 1½ ounce G. S. bottles on removable tray, 75 cents extra.

Fitted with six 1½ ounce G. S. and M. C. bottles on removable tray, \$1.25 extra.

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Instrument Satchels

Specify "Welemaco" Make

E-2210. OBSTETRIC BAG NO. A 74.



Style of Lawyers' Brief Bag.

Made in two pieces of the finest black or brown smooth sole leather. Leather covered steel frame. Solid brass trimmings. $5\frac{1}{2}$ inches wide at bottom and $7\frac{1}{2}$ inches high to top of frame. Full leather lined. Seamless edges.

15 inches long	\$5 70
16 inches long	5 80
17 inches long	6 05

E-2212. OBSTETRIC BAG NO. A 404.

Club style. High and narrow. Easy to carry. Made of the finest black long walrus grain bag leather. Leather covered steel frame, and gun metal trimmings. Finest leather lining. High grade make throughout. No seams on edges. Width at bottom $5\frac{1}{2}$ inches. Height 9 inches to top of frame.

PRICES WITHOUT BOTTLES.

14 inches long	5 50
15 inches long	5 75
16 inches long	6 00
17 inches long	6 25
Fitted with six $1\frac{1}{2}$ oz. G. S. bottles, extra	75
Fitted with six $1\frac{1}{2}$ oz. G. S. and M. C. bottles, extra...	1 25



E-2214. OBSTETRIC BAG NO. A 95.



Dimensions: 9 inches high and 6 inches wide. Made of the finest black walrus grain bag leather. Steel frame covered with walrus grain leather. Solid brass trimmings, satin finish. No seams or welting on corners or edges. Made of two pieces of leather only. Full leather lined.

14 inches long	5 55
15 inches long	5 70
16 inches long	5 85
17 inches long	6 00
Fitted with six $1\frac{1}{2}$ oz. G. S. bottles, extra	75
Fitted with six $1\frac{1}{2}$ oz. G. S. and M. C. bottles, extra	1 25

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Instrument Satchels and Emergency Bags

Specify "Welemaco" Make

E-2216. "BOSTON STYLE," NO. A 75 BAG.

Made of the best grained bag leather. Either leather or canvas lined. 10 inches high. 5½ inches wide.

PRICES.

	Leather Lined	Canvas Lined
12 inches long at bottom.....	\$5 10	\$4 30
14 inches long at bottom.....	5 60	4 80
15 inches long at bottom.....	6 10	5 30
16 inches long at bottom.....	6 60	5 80

Fitted with six 1½ oz. G. S. bottles on removable tray. 75 cents extra.

Fitted with six 1½ oz. G. S. and M. C. bottles on removable tray, \$1.25 extra.



E-2217. EMERGENCY BAG NO. A 99. "CLUB STYLE."

A very fine and well made bag. Steel frame with solid brass trimmings. Made in two pieces of leather. No seams on edges. Full leather lined with pocket on one side and adjustable loops on other side. Made of the finest black walrus grain or black or brown smooth sole leather. Width at bottom 8½ inches, and 12 inches high to top of frame.

PRICES.

	Walrus Grain	Sole Leather
16 inches long.....	\$9 50	\$10 50
17 inches long.....	10 00	11 00
18 inches long.....	10 50	11 50



E-2218. EMERGENCY BAG NO. A 409. "CLUB STYLE."

Made of the finest black long walrus grain bag leather. Heavy steel frame, leather covered and hand stitched to body of bag. English style. Heavy gun metal lock and snap catches, latest design. Extra leather corner protections and metal feet. Full leather lined. Adjustable loops and pockets. No seams on edges. Dimensions: 8 inches wide and 11 inches to top of frame.

PRICES.

17 inches long	\$13 50
18 inches long	14 25
19 inches long	15 00

Nothing better made. An extra high grade traveling bag.



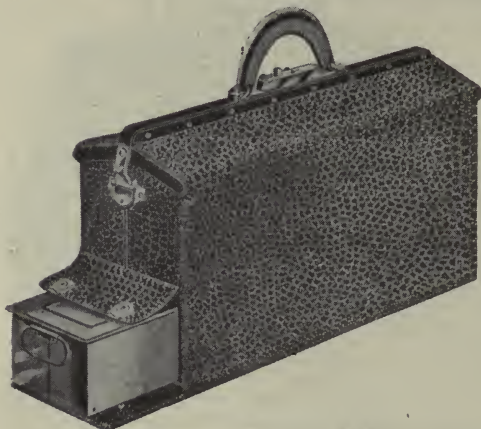
QUALITY GUARANTEED.—Specify section letter and number in ordering.

Emergency Bags

Specify "Welemaco" Make

E-2222. DR. EDLEN'S OBSTETRIC AND SURGICAL BAG NO. A 93.

Patented October 2, 1900.



Made of fine black seal grain bag leather. Seamless edges. Steel frame. Nickel trimmings. Leather lined. Dimensions: 17 inches long, 6 inches wide and 10½ inches to top of frame.

The bag is fitted with a false bottom, making a separate compartment containing a copper sterilizer. The upper part of bag is entirely independent of the lower part and is fitted with two 2 ounce and four 1½ ounce G. S. and M. C bottles.

Price, with sterilizer and bottles \$13 80

E-2220. EMERGENCY BAG NO. A 90.

It is made of the very finest, black seal grained bag stock, full leather lined, riveted steel frame, nickel trimmings, 8 inches wide and 9 inches high over all.

It contains in the lower part of bag 11 adjustable strap loops, also a large pocket entire side of bag. In the lid are 10 smaller loops for instruments, etc. It also has two straps running around the bag for the purpose of strapping pans to the bottom of bag when required.

For up-to-date obstetric work it cannot be beaten for utility, quality or price.

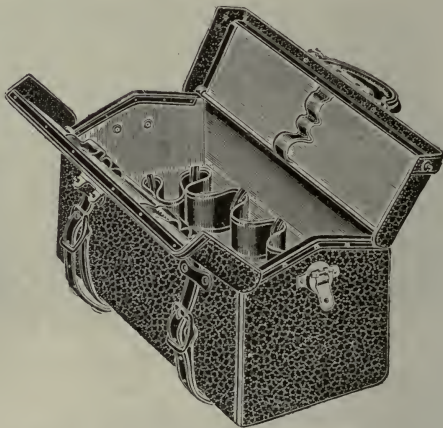
Made 15, 16 and 17 inches long. price.. \$8 60

The same bags except canvas lined.

price 7 50

18 inches long. Add to above lists..... 75

Pans, each, extra 2 00



E-2225. EMERGENCY BAG NO. A 92.

The general arrangements of this bag are like our No. A 91. The make, however, differs very materially. It is the best bag that can be made by anybody. Heavy steel frame with solid brass trimmings. No riveting, all hand stitched around the frame. It is a bag to last a lifetime. Loops, straps and pockets same as No. A 91 bag. It is made of the very best black seal grain bag leather and is full leather lined.

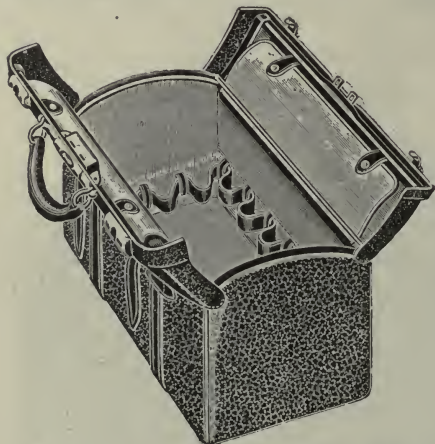
Dimensions: 8½ inches wide and 9½ inches high over all.

Made in lengths of 15, 16 and 17 inches.

Price \$12 00

18 inches long. Add..... 75

Pans, each, extra 2 00



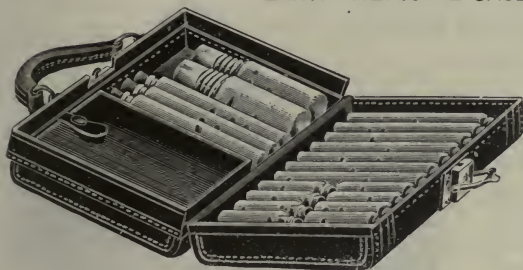
QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 10% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Hand and Buggy Medicine Cases

Specify "Welemaco" Make

E-2242. MEDICINE CASE NO. A 64.



Dimensions: 11 inches long, 6 inches high and $2\frac{3}{4}$ inches wide.

Made of extra heavy harness leather only.

Contains 2 one and one-half ounce G. S. and M. C. bottles, 11 one ounce and 10 three dram vials, also supply box $5 \times 4 \times 1$ inches. A very practical and compact case for the busy practitioner.

Price \$5 60

E-2244. MEDICINE CASE NO. A 448.

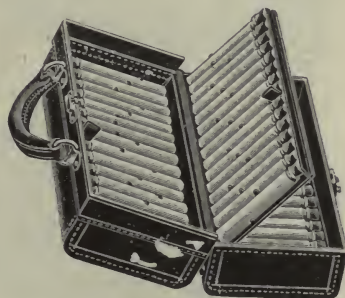
Dimensions: 11 inches long, 4 inches wide, 5 inches high.

It is made of fine heavy harness leather only, and substantially lined. Hand stitched around the edges, strong leather handle and best nickel safety lock.

It contains 24 five dram and 30 three dram vials. The five dram vials are on removable pads.

Silver plated springs for holding the vials.

Price \$7 50



E-2246. MEDICINE CASE NO. A 60 X

Dimensions: $9\frac{1}{4}$ inches long, $4\frac{1}{2}$ inches wide and 6 inches high. It is made of heavy harness leather only, and is well lined. Hand stitched.

It contains 20 one ounce and 20 three dram vials, 3 two ounce G. S. and M. C. bottles, and supply space $5\frac{1}{2} \times 3\frac{1}{2} \times 1$ inches.

Price \$7 50



E-2248. MEDICINE CASE NO. A 61 X.

Dimensions: $11\frac{1}{2}$ inches long, 5 inches wide and 6 inches high. It is made of heavy harness leather only, and is well lined. Hand stitched.

It contains 4 two ounce G. S. and M. C. and 3 three ounce G. S. bottles, 12 one ounce and 24 three dram vials, and supply space $10\frac{1}{2} \times 5 \times 1$ inches.

Price \$9 00



QUALITY GUARANTEED.—Specify section letter and number in ordering.
A discount of 5% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Hand and Buggy Medicine Cases

Specify "Welemaco" Make!

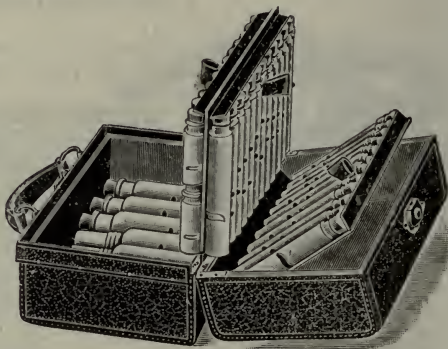
E-2235. MEDICINE CASE NO. B 10.

Dimensions: 11 inches long, 6 inches wide and $6\frac{1}{2}$ inches high.

It is covered with the finest heavy black seal grain bag leather. Hand stitched around the edges. B. B. cloth lined.

It contains 24 one ounce, 24 three dram, and 3 three ounce C. S. bottles, also 4 two ounce G. S. and M. C. bottles. It has a space for sundries $10 \times 5 \times \frac{1}{2}$ inches.

Price \$6 90



E-2252. MEDICINE CASE NO. A 56.

Dimensions: 11 inches long, 5 inches high and $3\frac{3}{4}$ inches thick.

Made of extra heavy harness leather only, and is full leather lined.

Contains 4 one and one-half ounce G. S. and M. C. bottles, 24 five dram vials and covered supply space $4\frac{1}{2} \times 4 \times 1\frac{1}{2}$ inches.

Price 7 25

MEDICINE CASE NO. D 56.

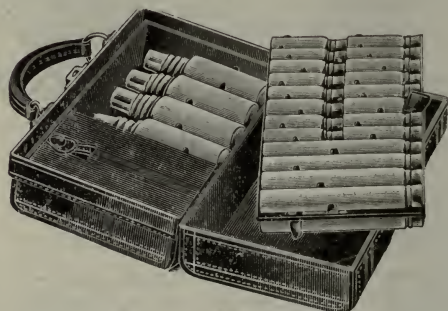
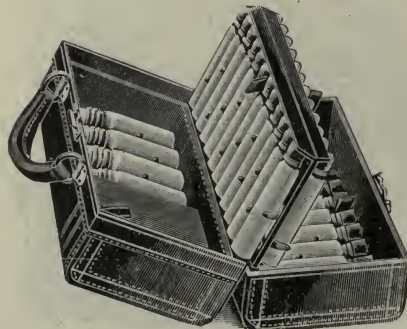
Same size and make as A 56. Contains 24 five dram vials and supply box on entire other side.

Price 7 25

E-2254. MEDICINE CASE NO. A 59 X.

Dimensions: $10\frac{1}{2}$ inches long, $3\frac{3}{4}$ inches wide and 6 inches high. It is made of heavy harness leather only, and is well lined. Hand stitched. It contains 4 two ounce G. S. and M. C. bottles, 16 one ounce and 16 three dram vials, also supply space $5 \times 3\frac{1}{2} \times 1\frac{1}{4}$ inches.

Price \$8 25



E-2256. MEDICINE CASE NO. A 57 X.

Dimensions: 11 inches long, 5 inches wide and $5\frac{1}{2}$ inches high.

It is made of heavy harness leather only, and is well lined. Hand stitched.

It contains 4 one and one-half ounce G. S. and M. C. bottles, 10 one ounce and 24 six dram vials, also supply space $4\frac{1}{2} \times 4 \times 1$ inches.

Price \$9 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 5% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Hand and Buggy Medicine Cases

Specify "Welemaco" Make

E-2262. MEDICINE CASE NO. A 449.

Dimensions: 11 inches long, $4\frac{5}{8}$ inches wide and $5\frac{1}{2}$ inches high. It is made of heavy harness leather only, and is well lined. Hand stitched.

It contains 7 one and one-half ounce G. S. and M. C. bottles, 12 six dram vials and 24 two dram vials, also supply space $10\frac{3}{8} \times 4\frac{1}{2} \times 1$ inches.

Price \$7 85



E-2264. MEDICINE CASE NO. A 38.

Dimensions: 16 inches long, 6 inches high and 6 inches wide.

It is made of heavy harness leather and full leather lined.

Contains 6 two ounce G. S. and M. C. bottles, 23 one ounce and 18 three dram vials, also a covered supply space $15\frac{1}{2} \times 5 \times 2\frac{3}{4}$ inches.

Price \$13 80



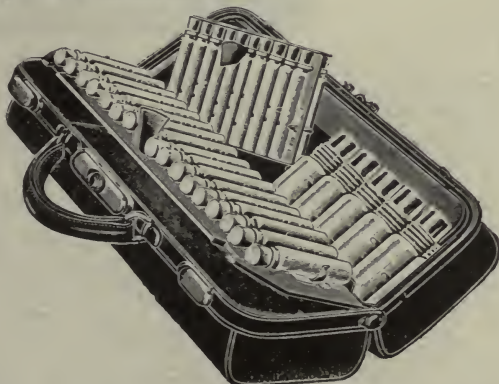
E-2266. COMBINATION BAG NO. A 89.

Dimensions: 17 inches long, 5 inches wide and $5\frac{1}{2}$ inches high.

Made of the finest black boarded calf skin. Full leather lined. Steel frame with gun metal finish trimmings.

It contains 6 one and one-half ounce G. S. and M. C. bottles, 17 five dram and 20 three dram vials. The bottles occupy one side of bag and the other side is entirely empty for sundries, large enough to carry any forceps. Loops for instruments. A very handsome article.

Price \$12 00

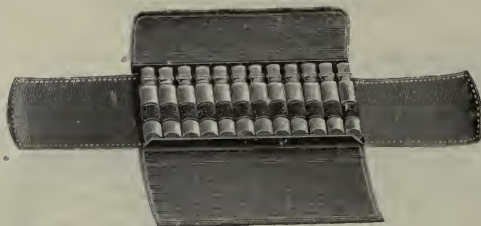


QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 5% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Pocket Medicine Cases

Specify "Welemaco Make"



SINGLE FOLD POCKET VIAL CASES.

Made of Genuine Turkish Morocco.

E-2352	Vial Case, A 100	contains 6	2-dr. vials	.....	\$1 35
E-2353	Vial Case, A 101	contains 8	2-dr. vials	.....	1 45
E-2354	Vial Case, A 102	contains 10	2-dr. vials	.....	1 55
E-2356	Vial Case, A 103	contains 12	2-dr. vials	.....	1 65
E-2357	Vial Case, A 104	contains 6	3-dr. vials	.....	1 45
E-2358	Vial Case, A 105	contains 8	3-dr. vials	.....	1 60
E-2359	Vial Case, A 106	contains 10	3-dr. vials	.....	1 75
E-2361	Vial Case, A 107	contains 12	3-dr. vials	.....	1 90
E-2362	Vial Case, A 108	contains 6	4-dr. vials	.....	1 55
E-2363	Vial Case, A 109	contains 8	4-dr. vials	.....	1 75
E-2364	Vial Case, A 110	contains 10	4-dr. vials	.....	1 95
E-2366	Vial Case, A 111	contains 12	4-dr. vials	.....	2 15
E-2367	Vial Case, A 112	contains 4	6-dr. vials	.....	1 65
E-2368	Vial Case, A 113	contains 6	6-dr. vials	.....	1 90
E-2369	Vial Case, A 114	contains 8	6-dr. vials	.....	2 15
E-2371	Vial Case, A 115	contains 10	6-dr. vials	.....	2 40
E-2372	Vial Case, A 116	contains 4	1-oz. vials	.....	1 90
E-2373	Vial Case, A 117	contains 6	1-oz. vials	.....	2 15
E-2374	Vial Case, A 118	contains 8	1-oz. vials	.....	2 40
E-2376	Vial Case, A 119	contains 24	1-dr. vials	.....	1 90
E-2377	Vial Case, A 120	contains 12	1½ dr. vials	.....	1 40
E-2378	Vial Case, A 130	contains 15	2-dr. vials	.....	2 15
E-2379	Vial Case, A 131	contains 15	3-dr. vials	.....	2 40

If fitted with S. C. bottles add 15 cents to list.



DOUBLE FOLD POCKET VIAL CASES.

Made of Genuine Turkish Morocco.

E-2381	Vial Case, A 150	contains 24	2-dr. vials	.....	2 75
E-2382	Vial Case, A 151	contains 20	2-dr. vials	.....	2 50
E-2383	Vial Case, A 152	contains 24	3-dr. vials	.....	3 00
E-2384	Vial Case, A 153	contains 20	3-dr. vials	.....	2 75
E-2386	Vial Case, A 154	contains 24	4-dr. vials	.....	3 25
E-2387	Vial Case, A 155	contains 20	4-dr. vials	.....	3 00
E-2388	Vial Case, A 156	contains 12	2- and 9 3-dr. vials	.....	2 75
E-2389	Vial Case, A 157	contains 12	3- and 9 4-dr. vials	.....	3 00
E-2391	Vial Case, A 158	contains 2	double rows of 1-dr. 48 vials	.....	3 75
E-2392	Vial Case, A 159	contains 12	3- and 24 1-dr. vials	.....	3 50
E-2393	Vial Case, A 160	contains 10	2- and 8 3-dr. vials	.....	2 50
E-2394	Vial Case, A 161	contains 14	3- and 11 4-dr. vials	.....	3 25
E-2396	Vial Case, A 170	contains 30	2-dr. vials	.....	3 50
E-2397	Vial Case, A 171	contains 30	3-dr. vials	.....	3 75

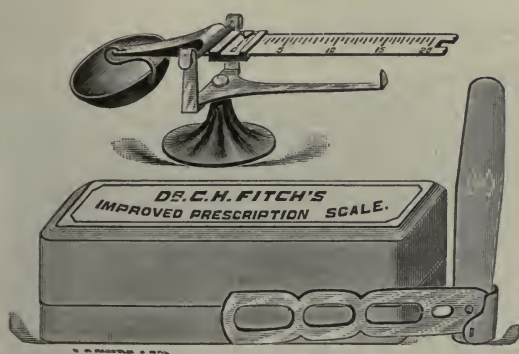
If fitted with S. C. bottles add 25 cents to list.

We make all of our pocket vial cases of genuine Turkish morocco. Full leather lined and fitted with glove button fastener. They are made with leather loops for holding bottles, making them more flexible than when fitted with metal springs. All have a pocket for powder papers. It is the finest line of pocket cases made.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A discount of 5% will be allowed for Cash with Order or C. O. D. shipments except on items marked net.

Satchel and Medicine Case Sundries



E-2188



E-2198



E-2195

SUNDRIES.

E-2188	Pocket Scale, Fitch's, improved	net \$1 00
*E-2190	Bottle Pad, with 6 ground stopped 2 oz. bottles	1 00
E-2195	Bottle Pad, with 6 ground stopped, screw cap bottles, 1½ oz.	1 50
*E-2196	Bottle, Clayton's, metal covered, 2 oz., \$1.25; 4 oz., \$1.50; 8 oz.	1 75
*E-2197	Bottle, Clayton's, double, (two 2-oz.) in spring bottom metal case...each	3 00
E-2198	Bottle, Clayton's, triple, (three 1-oz.) in spring bottom metal case...each	3 50

Section "F"

Electric Illuminators

Electric Controllers

Electro Magnets

Electric Vibrators

Electrodes

X Ray Apparatus

Faradic Batteries

Galvanic Batteries

Wall Plates

Cabinets

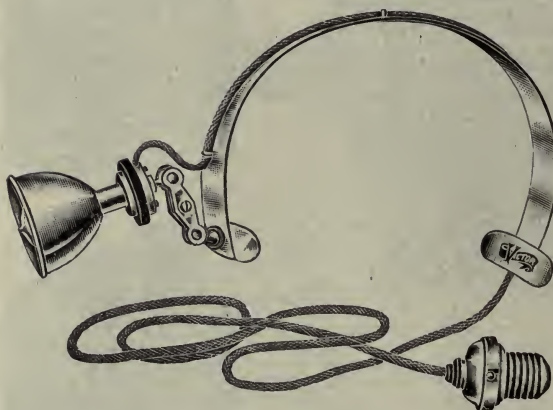
Cautery Transformers

X Ray Tubes

High Frequency Outfits

Electric Illuminating Apparatus

F-2. VICTOR NO. 3 HEAD LAMP.



This type of head lamp is intended to illuminate a fairly broad field and fully meets the requirements of the surgeon.

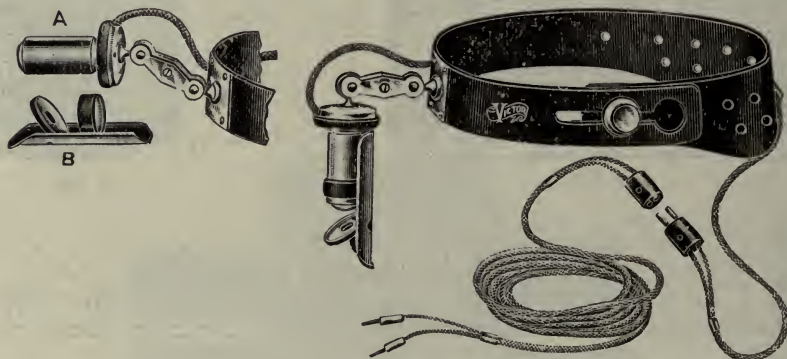
The lamp bulb is about one-third the size and weight of a 16 c. p. bulb and being of American manufacture, renewals are quickly and easily made. The reflector is a highly polished parabolic cone.

A universal double swivel joint is provided to adjust the lamp to any conceivable position.

Operable on a 110 volt direct or alternating current.

Price, complete as shown..\$7 50

F-3. VICTOR NO. 4 (Kirstein) HEAD LAMP.



This type is particularly adapted to eye, ear, nose and throat specialists, who at various times require a clear, white illumination in speculum work.

The bulb is of the miniature variety and consequently is not operable direct from the lighting current, but can be used in connection with any Victor transformer, lamp regulator, wall plate, or battery cells.

Price of head lamp complete, as shown\$18 00

Price of current tap and black lamp rheostat 2 00

F-4. VICTOR SOCKET CONTROLLER FOR MINIATURE LAMPS.

This device is connected to any electric light socket and any miniature lamp, regardless of size or shape, ranging from the minute rice grain type to those possessing a heavy carbon filament, can be safely and accurately controlled as regards the intensity of light.

The controller is rigidly constructed, extremely durable and finely finished.

Is compact enough to carry in a satchel between the office and hospital if desired.

Price as shown, complete with 32 c. p. resistance lamp \$9 50



QUALITY GUARANTEED.—Specify section letter and number in ordering.

Electric Illuminating Apparatus

F-1. McINTOSH NO. 1 ASEPTIC HEAD LAMP.



Constructed along lines assuring greatest possible asepsis, having a finely nickeled metal brace weighing only eight ounces, containing no unsanitary felt pads—simply a plain leather strip to soften contact with head. All connections pass through fibre outlet at back of reflector in which is contained tipless lamp, throwing a powerful diffused light free from shadows, which may be adjusted by the double ball and socket joint. The instrument is finely finished and provided with rich, silk-covered cord and plug connecting with any lamp socket to 104-115 volt direct or alternating current. Specify plain or frosted bulb.

McIntosh No. 1 Aseptic Head Lamp, as illustrated \$5 00
 McIntosh No. 4 Silk Band Head Lamp, same as above but with silk head band..... 5 00

F-5. McINTOSH NO. 3 COLLAPSIBLE FIBRE HEAD LAMP.

Fitted with a comfortable fiber band which can be folded into compact space and readily slipped in the pocket. Lamp, reflector and adjustment are identical with No. 1, while the reflector and cord can also be detached to substitute head mirror if desired. Stage connector permits of lamp being disconnected conveniently without removal from head. The fiber band is very light and can be worn for hours without discomfort. Connects with any 104-115 volt current. Specify plain or frosted bulb.



McIntosh No. 3 Collapsible Fiber Head Lamp \$7 50
 McIntosh No. 2 Adjustable Fibre Head Lamp, same as above but with hat shaped fiber band 7 50



F-10. McINTOSH NO. 125 ILLUMINATOR CASE.

This illuminator case commends itself as indispensable to the practitioner. It contains the following articles, put up in a neat leatherette case: McIntosh No. 150 Universal Illuminator, straight; Laryngoscopic Mirror and Holder; Tongue Depressor and Shield; Shield for use in rectal or vaginal examination; one pair twisted illuminator cords.

Price, complete \$4 25

F-12. McINTOSH NO. 150-A TRANS-ILLUMINATOR.



Price, including hard rubber trans-illumination shield \$2 50
 McIntosh No. 150 Universal Illuminator, same as above without shield 2 00
 McIntosh No. 151 Universal Illuminator, with curved shank 2 50

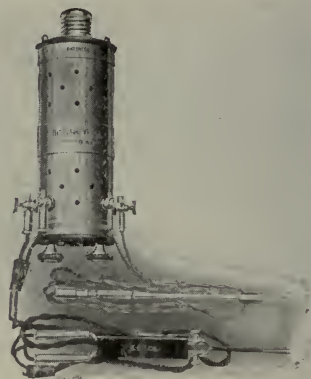
QUALITY GUARANTEED.—Specify section letter and number in ordering.

Electric Illuminating Apparatus

F-14. ELECTRO SURGICAL INSTRUMENT CO. SOCKET CAUTERY TRANSFORMER.

Our socket cautery transformer is the only device of its kind on the market. It weighs but $2\frac{1}{2}$ pounds, is $6\frac{1}{2}$ inches long and $2\frac{1}{2}$ inches in diameter and will screw into any ordinary lamp socket. It is for use on the alternating current of any voltage and number of cycles and will furnish current for ordinary cauteries and all kind of diagnostic lamps. Being fitted with two pairs of binding posts, each with independent wiring, cautery and lamp may be used simultaneously, if desired. The current graduation is exceedingly fine and even and the range large so that the smallest diagnostic lamps and lightest cauteries as well as 15 volt lamps and ordinary cauteries may be used with equal satisfaction. Its construction is simple and thorough, there being practically nothing to get out of order and its easy portability enables it to fill an entirely unoccupied field, all other transformers being too bulky or heavy to be readily carried about, and none screwing directly into the socket. No resistance lamp is used, so that trans illumination is obtainable in absolute darkness. When ordering please state voltage and number of cycles of current on which transformer is to be used.

Price, with lamp cords\$20 00
 Price, with lamp and cautery cords 22 25



F-16. THE ELECTRO SURGICAL INSTRUMENT CO. SOCKET CURRENT CONTROLLER.

This controller is the best appliance on the market for reducing the commercial current for the purpose of lighting diagnostic lamps. The requirements for such a device are that it shall be easily portable, shall screw into any lamp socket, work on direct or alternating current of any voltage, shall not become excessively hot with continued usage, shall give the finest graduation of current, this being essential for the safe lighting of the smaller lamps, shall have a wide range of graduation so that ordinary lamps of various makes and voltage may be effectively lighted, shall be durable in construction and reliable in action. Our socket current controller meets all these requirements. Being but 6 inches long, $1\frac{1}{2}$ inches in diameter and weighing but 8 ounces it may be easily carried in the pocket or instrument bag, thus permitting the use of electrically lighted instruments without batteries wherever current, direct or alternating of any voltage, is available.

When used on the direct current the controller will, besides lighting diagnostic lamps, furnish a current suitable for electrolysis and cataphoresis, and on the alternating a perfectly graduated sinusoidal current.

With the controller we furnish either a frosted or blue resistance lamp, as desired, the former being preferable for ordinary work and the latter for trans-illumination.

If more current is required than can be obtained with the 16 c. p. resistance lamp furnished (unless otherwise ordered) the range may be doubled by using a 32 c. p. candle power resistance lamp.

The conducting cords attached are fitted with our latest universal spring bayonet connection which locks the diagnostic instrument securely to the cords. When ordering please state whether socket on which controller is to be used is Edison or other style and specify voltage of street current, since the voltage of resistance lamp must correspond with that of the current. Unless otherwise ordered, we furnish a 110-volt, 16 c. p. frosted lamp.

Price, complete with resistance lamp (frosted or blue) and a pair of silk or rubber covered conducting cords\$10 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.



Electric Illuminating Apparatus

F-18. THE ELECTRO SURGICAL INSTRUMENT CO. GENERAL DIAGNOSTIC OUTFIT.

The case for this outfit is strong and durable, being securely dovetailed at the corners, covered and lined with a fine quality of genuine leather, seal grained. It is fitted with heavily nickeled catches, hinges and corners.

The rheostat consists of German silver wire, which is tapped off in eleven sections, giving the operator absolute control of the current. The rheostat board is covered with polished hard rubber.

The four cells (Columbia, No. 6) composing the battery are of the standard size (can be bought anywhere), will last the average practitioner about a year and will give sufficient voltage to operate all of our instruments fitted with four volt lamps.



Conducting Cords.

The conducting cords furnished with this case are six feet long, are rubber covered, permitting easy sterilization, and are fitted with our latest universal spring bayonet connection, which locks the instrument securely to the cords, thus making it impossible for it to become accidentally detached during an operation.

Some of the most generally useful of our diagnostic instruments have been gathered together into the outfit illustrated which comprises:

- 1 Illuminating Battery, style A, with conducting cords.
- 1 Auriscope, style A or B, with three specula.
- 1 Laryngoscope.
- 1 Tongue Depressor.
- 1 General Diagnostic Illuminator.
- 2 Koch Urethrosopes (any size).
- 1 Light Carrier for urethrosopes (interchangeable).
- 1 E. S. I. Co. Rectal Tube (any size).
- 1 Light Carrier for rectal tube.

As shown in the illustration, the instruments are all securely held in heavily nickel-plated clamps, which are screwed to the rheostat board, the whole making a convenient and easily portable outfit.

We furnish this set with any or all of these instruments or with others that may be selected—any instrument may be left out, with corresponding reduction in price, or others, such as a vaginal speculum, or eye spud, may be substituted or added and all may be operated with battery, socket current controller, wall plate or transformer.

Price, complete\$40 00
 Price, complete, but without rectal tube 33 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Electric Batteries

F-170. McINTOSH DOMICILE BATTERY.

A very neat design in a Dry Cell Faradic Battery adapted to home use. Contains a first-class induction coil and is supplied with a large dry cell of standard size. The starting switch is so arranged that it must be turned off before the lid is closed, thus insuring the life of the cell. It is put up in a handsome oak case, dark old English finish. A most reliable, substantial outfit and one that is sure to give satisfaction. Contains the following accessories: 1 pair conducting cords, 1 pair Universal wooden handles with Spongio discs, 1 pair metal handles, 1 nicked foot plate, 1 pamphlet of instructions.

Price \$5 00



F-175. McINTOSH ELECTROLYSIS BATTERY.

This battery contains six No. 4 Columbia dry cells put up in a neat, leather covered, plush lined case containing a compartment for the instruments furnished. The dry cells will last for six or nine months with ordinary use. The following accessories are included: 1 pair conducting cords, 1 hard rubber needle holder, 6 Hayes' bulbous-pointed steel needles, 2 steel broaches, 1 pair forceps, 1 magnifying glass, 1 No. 3 hand Spongio electrode, 1 pair No. 1 handles and Spongio discs, 1 copy Hayes' "Electricity in Facial Blemishes." A most reliable and satisfactory outfit at a minimum of price.

Price \$12 00

F-180. McINTOSH 14 DRY CELL COMBINED GALVANIC AND FARADIC BATTERY.

This outfit contains: 14 No. 4 Columbia dry cells, twelve in the galvanic portion and two connected with the coil. The galvanic cells are controlled by a cell selector switch. The galvanic current is of sufficient strength to treat any case where a mild current is indicated, being ample for the removal of superfluous hair and all facial blemishes such as moles, warts, Naevi, etc.; it can also be used for lighting diagnostic lamps; the Faradic Coil gives a perfectly regulated faradic current of variable intensity. The battery is put up in a handsome, plush lined, leather covered case and contains a compartment for electrodes in the lid.

Price, including connecting cords, Universal handles and Spongio discs \$17 50

Price, including a complete assortment of accessories for electrolysis and massage 22 50



F-185. McINTOSH "ELABORATE" 27 DRY CELL GALVANIC AND FARADIC BATTERY.

This battery contains 27 No. 4 Columbia dry cells, 25 of which are in the galvanic circuit and 2 in the faradic circuit. The galvanic current is controlled by the MacLagan wire rheostat and is accurately measured by the milliamperemeter. The faradic coil gives primary and secondary currents of great intensity, easily regulated. The battery affords a galvanic current of great adaptability; a primary faradic current; a secondary faradic current; a combined galvanic and faradic current and a current to light diagnostic lamps. The battery is encased in a handsome, dark, weathered oak case, measuring 7x9x17 inches.

Price, including conducting cords, Universal handles and Spongio discs \$35 00



QUALITY GUARANTEED.—Specify section letter and number in ordering.

McIntosh Electric Batteries and Wall Plates



F-195. McINTOSH NO. 66 PRACTITIONER'S FARADIC BATTERY.

A most compact, serviceable faradic battery especially suitable for visiting use, containing two standard size dry cells, put up in a handsome case of selected quartered oak finish, finely polished, measuring 9x6x7½ inches. The induction coil, containing both primary and secondary windings, is finely finished in polished hard rubber and is attached to a handsome enameled slate base. The strength of current can be regulated perfectly by drawing out the shield. In the top of the lid is a compartment containing the following electrodes: 1 pair of conducting cords, 1 pair Universal handles with Spongio discs, 1 pair metal handles and finely nickeled foot plate.

Price, complete\$10 00



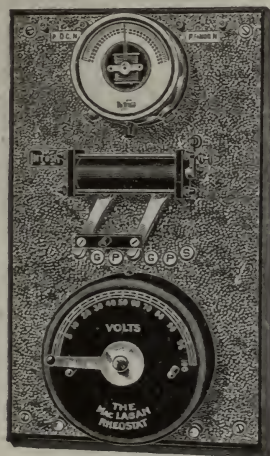
F-200. McINTOSH NO. 7 WALL PLATE.

The special advantage of this plate is its simplicity, all superfluous features having been done away with, including only the fundamental points of a practical and simple apparatus. Instead of having a number of complicated switches to operate there is but one switch—the current selector, which selects either galvanic or faradic current with one motion.

The plate consists of a polished marble base 9½x15 inches, containing MacLagan wire rheostat, which controls both galvanic and faradic currents; a substantial induction coil, offering primary and secondary currents; and our new condensed type shunt meter 0-30, 0-150, measuring the galvanic current.

This plate may be operated with the 110 volt direct current or with a battery of cells; or a rectifier with potential equalizer may be employed satisfactorily with the alternating current.

Price, including conducting cords, Universal handles, sponge discs and series current tap with cord.....\$27 50
Price, put up in style "H" oak case, with beveled plate glass in door 32 50



Victor Wall Plates and Cabinets



Victor Cabinet No. 4.

Victor wall plates and cabinets are recognized and recommended by this country's most eminent electro-therapeutists as being perfect in control, easy of manipulation, extremely durable, correctly designed and elegantly finished.

These facts will bear investigation and ought to satisfy the most discriminating purchaser.

We give herewith price of the various combinations with condensed description. For complete information, send for special catalog of Victor wall plates.

There are three styles of Victor plates, Nos. 1, 2 and 3. No. 1 is the \$50.00 plate; No. 2 is the medium priced plate (sometimes known as the "Standard" Victor plate), and No. 3 is the high tension plate, having an extra long secondary winding.

There are three styles of cabinets, viz:

No. 1 is a condensed type of square cabinet and is used for No. 1 plate only.

No. 2 cabinet is the regular square cabinet and can be mounted on either wall or table.

No. 3 cabinet is to be mounted on wall, designed something on the order of the upper illustration.

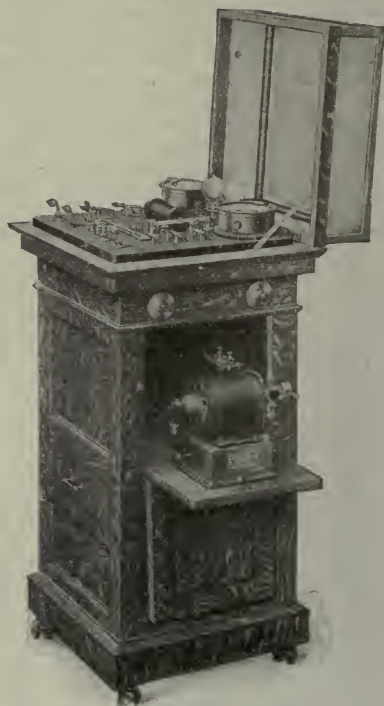
No. 4 cabinet is reproduced in upper illustration.

No. 5 is a floor cabinet and is reproduced in lower illustration.

No. 6 is on the same order, only that provision is made for housing a battery of dry cells, instead of transformer.

The prices are as follows:

*F-201	No. 1, No. 1 plate in No. 1 case...	\$50 00
*F-202	No. 2, No. 2 plate in No. 2 case...	75 00
*F-203	No. 3, No. 2 plate in No. 3 case...	90 00
F-204	No. 4, No. 2 plate in No. 4 case with No. 9 Transformer for cauterly and sinusoidal	165 00
F-206	No. 5, No. 2 plate in No. 5 cabinet, with No. 9 Transformer for cauterly and sinusoidal.....	180 00
*F-207	No. 6, No. 2 plate in No. 6 cabinet, complete with batteries; plate to be used for batteries.....	135 00
*F-208	No. 7, No. 3 high tension plate in No. 2 case	105 00
*F-209	No. 8, No. 3 plate in No. 3 case...	120 00
*F-211	No. 9, No. 3 plate in No. 4 case...	195 00
*F-212	No. 10, No. 3 plate on No. 5 case...	210 00
*F-213	No. 11, No. 3 plate on No. 6 case...	165 00
*F-214	Oxford wall or table plate (no case)	35 00



Victor Cabinet No. 5.

QUALITY GUARANTEED.—Specify section letter and number in ordering. Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

McIntosh Wall Plates and Cabinets

F-220. McINTOSH TYPE 12 PLATE IN STYLE "G" CASE.



The dial current selector, a strong point of this outfit, simplifies the selection of currents, affording choice of eleven modalities with one turn of the knob.

Contains an aseptic porcelain steel plate including MacLagan wire rheostat, McIntosh improved milliamperemeter with shunt, monomotive rheotome, a large faradic coil with primary and secondary windings, transformer for cautery and sinusoidal currents; and may be employed with the 110 volt direct current with a motor generator; or with the alternating current in connection with our rectifier with potential equalizer.

The apparatus offers the following currents: galvanic, diagnostic lamp, fast primary faradic, slow primary faradic, slow secondary faradic, combined galvanic and faradic, low potential sinusoidal, high potential sinusoidal, combined galvanic and sinusoidal, and cautery.

Price, as illustrated	\$80 00
Price, with rectifier and potential equalizer for 100-120 volt alternating current.....	105 00
Price, with motor generator for 110 volt direct current	105 00
Price, including 50 No. 6 dry cells in box with special motor generator	116 00

F-225. McINTOSH NO. 6 PLATE IN STYLE "E" TABLE CABINET.

This is a new departure in electro-therapeutical apparatus, combining the compactness of a wall plate with the convenience of a table plate. The outfit is especially adaptable to the alternating lighting current, and, in conjunction with the alternating current rectifier, which can be accommodated on the shelf beneath the table, it furnishes a wide range of galvanic, faradic and sinusoidal currents—continuous or interrupted. The cabinet work is in the form of a handsome library table of quarter-sawed oak, dark golden finish. A pair of conducting cords and sponge electrodes are included with each outfit.

Price, including No. 1 rectifier with potential equalizer for alternating current	\$95 00
Price, wired for 110 volt direct current	70 00



F-230. McINTOSH NO. 6 PLATE IN STYLE "A" WALL CABINET.

Contains an aseptic porcelain plate containing: MacLagan wire rheostat; McIntosh improved milliamperemeter with shunt; automatic rheotome; a large faradic coil with primary and secondary windings and fast and slow vibrators, together with the necessary switches and binding posts for administering the galvanic and faradic currents. A direct lighting or power current of 110, 220 or 500 volts may be employed to energize the apparatus. A battery of 43 wet or dry cells will answer equally well. The alternating lighting current can be employed in connection with a liquid rectifier. The cabinet is constructed of selected quarter-sawed oak in fine, golden finish and contains beveled plate glass in door. A pair of conducting cords and sponge electrodes are included.

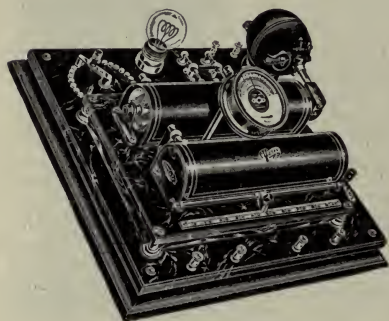
Price, arranged for 110 volt direct current or cells	\$60 00
Price, arranged for 220 volt direct current.....	62 00
Price, arranged for 500 volt direct current.....	65 00
Price, arranged with sinusoidal switch for alternating current	62 50



QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Sinusoidal Apparatus

F-232. VICTOR MULTIPLEX SINUSOIDAL APPARATUS.



F-232

This instrument has been designed to meet the requirements of the various authorities on sinusoidal therapy and is being used by them at the present time.

Slow Sinusoidal, Rapid Sinusoidal multiplex (a combination of the afore mentioned currents) Surging Galvanic and the Straight Galvanic currents are obtainable from this instrument; a dead-beat, hand calibrated, double sealed, shunt milliamperemeter being in the galvanic circuit for measuring the dosage.

The frequency of the sine wires as well as the voltage are under absolute control of the operator with an unusually wide range, it being possible to stimulate the heaviest involuntary muscle at its normal periodicity, as well as the

most delicate nerve, the frequency ranging from six per minute up to and exceeding seventy-five hundred per minute. The voltage is from zero to ninety.

Price as shown, arranged for 110 V. D. C.\$100 00

Additional for rectifier if used on alternating current 15 00

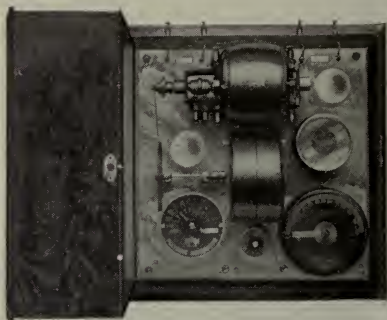
F-234. MCINTOSH POLYSINE GENERATOR.

A manifest improvement over all forms of sinusoidal apparatus heretofore offered is presented herewith. It consists of a rotary converter which furnishes both direct and alternating currents, "earth free," suitable for bath treatment if desired. These currents may then be passed through a rotor and converted into various forms of slow sinusoidal, surging galvanic and compound sinusoidal currents varying from one to sixty periods per second.

The apparatus is mounted upon a porcelainized steel plate containing dial current selector, condensed type shunt meter and MacLagan rheostat, in addition to the above, and is put up in a handsome quartered oak case.

The apparatus is primarily intended to be operated with 110 volt direct current; but may be employed with the alternating current by the addition of our No. 1 rectifier with potential equalizer.

The physician who is thinking of placing a sinusoidal apparatus in his office should not fail to investigate the special merits of this apparatus.



F-234

Price complete, as illustrated, for 110 volt direct current\$125 00

Price, including No. 1 rectifier with potential equalizer for alternating current..... 150 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Rectifiers and Generators

F-205. McINTOSH IMPROVED ALTERNATING CURRENT RECTIFIER WITH POTENTIAL EQUALIZER.



We offer this rectifier as the most satisfactory method of converting alternating current into direct current for use with a wall plate. It consists of four jars containing a chemical solution which lasts about a year and can be cheaply replenished.

The current obtained from most rectifiers heretofore offered has been objected to because of its pulsatory sensation. By the addition of the potential equalizer to our rectifier this pulsation has been eliminated so that a smooth, steady current suitable for the most delicate application is obtained.

The rectifier is contained in a neat box with polished marble top with resistance lamp, knife switch, etc.

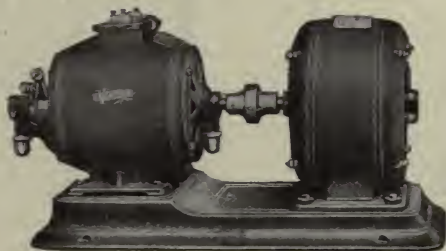
No. 1, for 100-120 volts, complete, price	\$25 00
No. 2, for 100-120 volts, omitting potential equalizer, price	15 00
No. 3, complete for 220 volts, including potential equalizer, price	35 00
No. 4, for 220 volts, omitting potential equalizer, price	25 00

F-236. VICTOR DIRECT CONNECTED GENERATING SET.

There is only one correct and satisfactory method of changing the alternating to direct current for wall plates, etc., and that is by means of a small dynamo driven by a motor, the two machines being directly connected without the use of belts, which by the way is a very inefficient way of generating electrical current.

The Victor set has been in use for many years for this work and we recommend it most highly.

Price of No. 1 outfit, $\frac{1}{2}$ ampere capacity	\$60 00
Price of No. 2 outfit, 1 ampere capacity	90 00



F-210. McINTOSH GENERATING SETS.

Most generating sets heretofore offered the profession for converting alternating current into direct for use with a wall plate have consisted of an alternating current motor and a direct current generator mounted upon an iron base. With this improved form the expense of the base is done away with, the generator being mounted on top of the motor, to which it is belted, thus saving room.

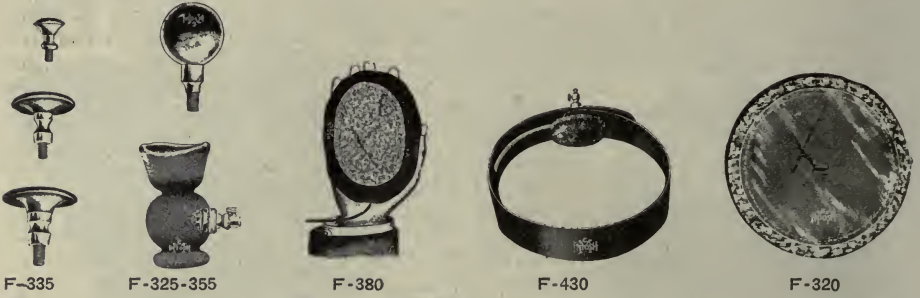
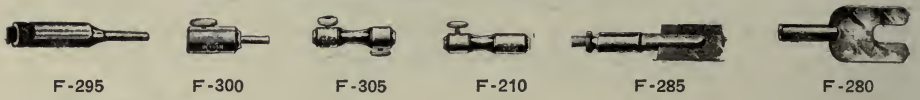
The smaller size is suitable only for operating a wall plate; while the larger types will furnish power for operating a static machine or other apparatus.

No. 1 furnishes $\frac{1}{2}$ ampere 110 volts D. C.	\$60 00
No. 2 furnishes $\frac{3}{4}$ ampere 110 volts D. C.	75 00
No. 3 furnishes $1\frac{1}{2}$ amperes 110 volts D. C.	100 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Electrodes



QUALITY GUARANTEED.—Specify section letter and number in ordering.

Electrodes



CORD TIPS AND CONNECTORS.

F-280	Handy Connector (S)	\$0 12
F-285	Herdman's Connector (H) for sheet metal	12
*F-290	Herdman's Connector (H2) double	12
F-295	McIntosh Adjustable Cord Tip (A) per pair	15
F-300	McIntosh Universal Cord Tip Connector (B)	12
F-305	McIntosh Double Connector (D)	15
F-310	McIntosh Universal Electrode Connector (E)	12

ELECTRODES AND HANDLES.

F-320	Abdominal, Hayes', spongio pilline, No. 66	1 25
F-325	Ball, No. 32	40
F-330	Brush, metallic, No. 17	50
F-335	Disc, 3 sizes, No. 33	each 20
F-340	Duchenne's, metallic points, No. 26	per pair 50
F-345	Ear, double, No. 48	1 50
F-350	Erb's, 3 sizes, No. 102	each 25
F-355	Eye, cup shape, No. 34	1 00
*F-360	Eye, double, adjustable, No. 74	1 25
F-365	Eye, flat, copper, No. 37	50
F-370	Fistula, copper, No. 143	50
*F-375	Foot Plate, metal, No. 52	30
F-380	Hand, spongio, rubber back, No. 3	60
F-385	Handle, Hubbell's, aseptic disc, No. 2	50
F-390	Handle, metal, nickel-plated, No. 40,	per pair 30
F-395	Handle, universal, with spongio discs, No. 1	per pair 60
*F-400	Handle, universal, with set screw, no discs	per pair 45
F-405	Handle, universal, with interrupter, No. 87	60
*F-420	Nasal, Sharp's, single, No. 64	75
*F-425	Nasal, Sharp's, double, No. 65	1 50
F-430	Neck, flexible hard rubber, with disc, No. 30-A	75
F-435	Prostatic, Bowen's, No. 126	3 00
F-438	Prostatic, Neiswanger's, new, No. 131	2 00
F-440	Rectal, copper, for haemorrhoids, No. 53-A	1 00
F-445	Rectal, curved, No. 85	1 25
F-450	Rectal, Patterson's, hollow, No. 67	2 25
F-455	Rectal, straight, No. 7	90
F-460	Roller, for massage, No. 11	1 00
F-465	Urethral, Armstrong-Neiswanger's, No. 103	3 50
F-470	Urethral, spiral, flexible, No. 20	50
F-475	Urethral, rigid, hard rubber insulated, No. 21	50
F-480	Urethral, set of 12 olives, No. 70, fitting electrodes Nos. 20 and 21	1 50
F-485	Uterine, ball point	60
F-490	Uterine, Goldspohn's, copper, No. 119, set of 4 sizes, \$3.00; each	1 00
F-500	Uterine, Neiswanger's, copper, No. 99, set of 4 sizes, \$4.00; each	1 25
F-505	Vaginal, Goelet's, bi-polar, No. 86	2 00
F-510	Vaginal, Goldspohn's, copper ball, No. 116	1 00
F-512	Vaginal, Neiswanger's, cataphoric, No. 95	2 50
F-515	Varicocele, Neiswanger's, No. 109	1 50
F-520	Wrist and Arm, No. 30, same style as F-430	75

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Transformers



F-238. VICTOR ALTERNATING CAUTERY TRANSFORMER.

This machine is so arranged that the cautery knife can be heated and the diagnostic lamp lighted at the same time, each being controlled independently; this controlling is done by means of switch levers so constructed that perfect and permanent contact is insured.

This transformer has an unusually high efficiency, the current consumption being only a little more than is actually delivered.

Price, for either 52 or 104 volt current\$25 00

F-235. McINTOSH NO. 1 A. C. CAUTERY CONVERTER.

This apparatus possesses many unique features not found in other instruments. It delivers a cautery current of large volume under perfect control, while a finely graduated rheostat provides absolute regulation of diagnostic lamps—entirely independent of the cautery circuit. A special adjustment to suit the voltage of supply current permits of its being instantly adapted to an alternating circuit of either 55, 110 or 220 volts pressure. A convenient cut-off switch permits of the current being turned off immediately when through using. The appliance is finely finished in every respect and makes a handsome addition to the armamentarium of a physician.

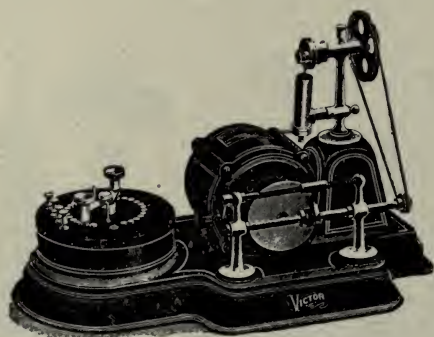
Price, including attachment plug with cord.....\$25 00



F-239. VICTOR NO. 6 TRANSFORMER.

The No. 6 transformer is designed to give precisely the same service when supplied with an alternating current as is obtained from the No. 2 transformer on the direct current, with the exception of the sinusoidal current which in this case is drawn direct from the lighting current. The ear pump, instead of being attached direct to shaft of motor, is belted.

The speed of the motor is controlled by a friction controller instead of electrically. No pains have been spared to bring this instrument up to the usual "Victor" standard of excellence.



Price, complete as shown for 60 cycle alternating current\$100 00
Additional for 125 to 135 cycle 10 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Transformers

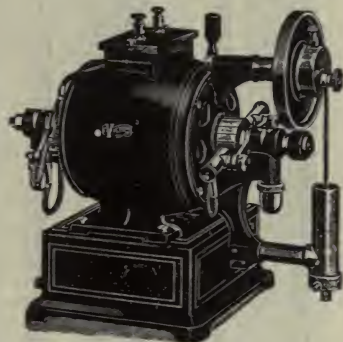
F-241. VICTOR NO. 10 TRANSFORMER.

This outfit is designed for eye, ear, nose and throat specialists or other physicians whose practice calls for the following modalities:

Cautery current with range enough for all cautery electrodes, regardless of size.

Diagnostic lamps of every description, Victor No. 1 or No. 2 massage handles or nasal drills, pneumatic massage or the vacuum bottle treatment.

A most useful instrument where direct current is available.



Price, complete as shown arranged for 110 volt direct current\$65 00

Price, complete as shown arranged for 220 volt direct current 68 00

F-242. VICTOR NO. 2 TRANSFORMER.



The currents or modalities available from this outfit are:

Cautery current with range enough to heat the largest cautery electrode.

Diagnostic lamp circuit for all miniature lamps regardless of shape or size.

Motive power for vibratory massage and nasal drilling, facilities being provided for attaching any of the Victor flexible shaft appliances.

Sinusoidal current may also be drawn from this instrument and controlled through any wall plate or similar controller.

Pneumatic massage.—A small specially constructed air pump is detachably connected to one end of the motor. The valves of this pump being so arranged that either compression, suction, suction with release or alternate suction and compression can be obtained at the will of the operator.

The speed of the motor as well as the strength is at all times under perfect control. This machine is operable on direct current only.

Price, complete as shown for 110 or 220 volt direct current\$85 00

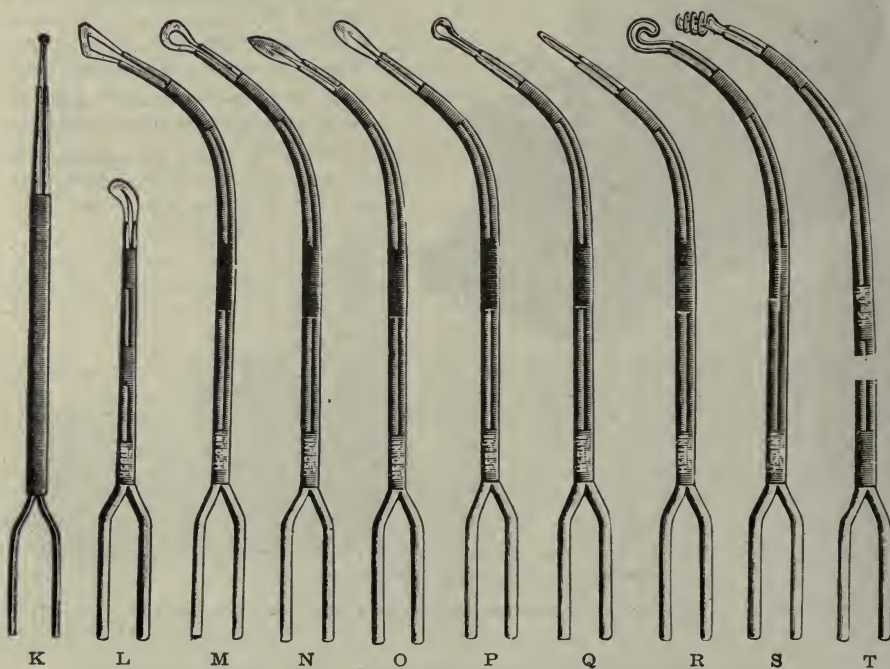
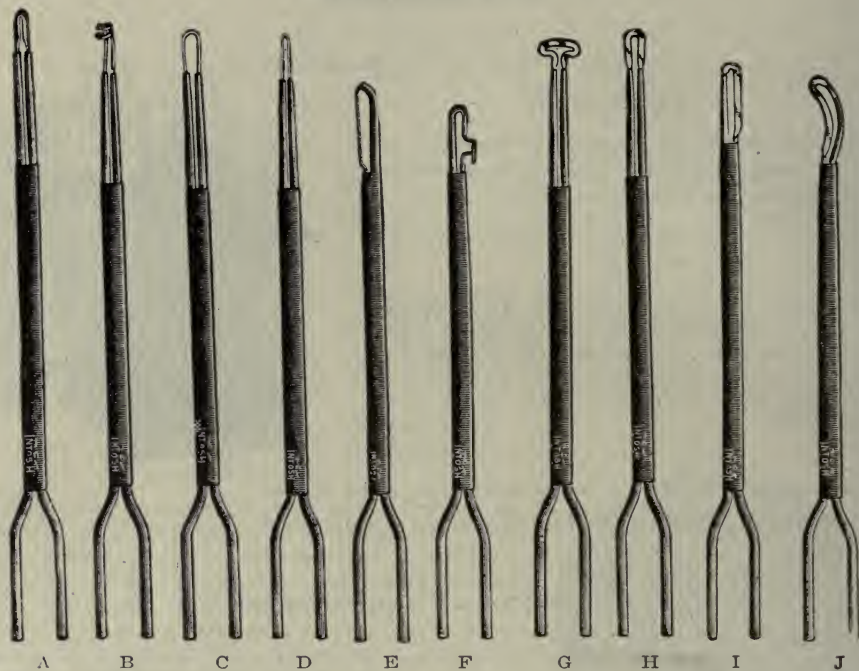
Price, complete as shown for 110 or 220 volt direct current wound for high speed and fitted for No. 2 massage handle but not including handle 90 00

Price of Victor No. 1 massage handle complete with set of six applicators..... 35 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

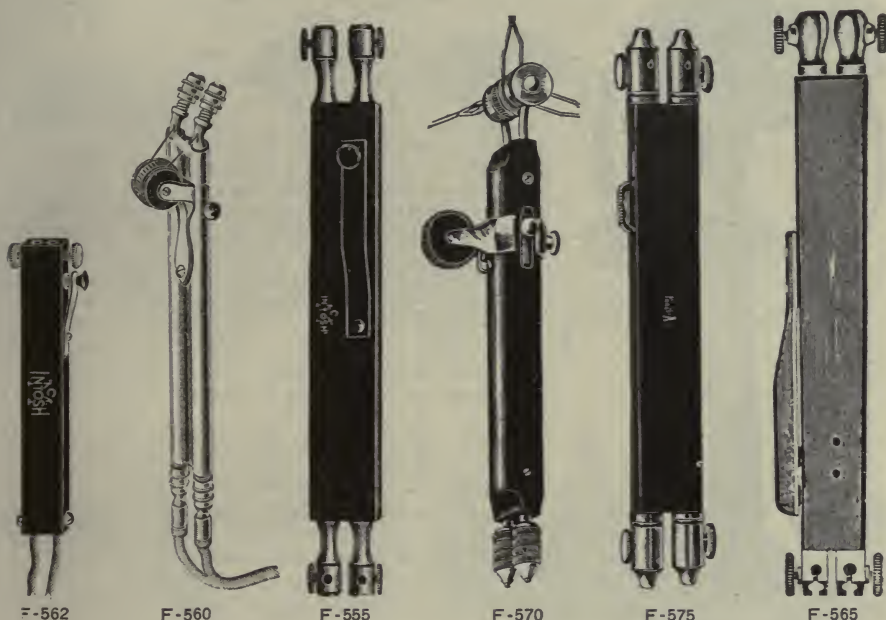
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Cautery Electrodes



QUALITY GUARANTEED.—Specify section letter and number in ordering.

Cautery Electrode Handles



CAUTERY ELECTRODES, HANDLES, CORDS, ETC.

F-545	Cautery Electrodes, A, B, C, D, E, F, G, H, I, J, L, M, N, O, P, Q and R	each	\$0 75
F-550	Cautery Electrodes, K, S and T	each	1 00
F-555	Cautery Electrode Handle, McIntosh, fiber		1 50
F-560	Cautery Electrode Handle, McIntosh, universal, metallic		5 00
F-562	Cautery Electrode Handle, McIntosh, eye, with cords attached		3 00
F-565	Cautery Electrode Handle, Pynchon's		3 00
F-570	Cautery Electrode Handle, Victor No. 1, with snare wheel, \$4.75; without		4 00
F-575	Cautery Electrode Handle, Victor No. 2		2 25
F-585	Conducting Cords, heavy, for cautery work, per pair		1 25

NEEDLE HOLDERS AND NEEDLES FOR ELECTROLYSIS.

F-590	Electrolytic Needle Holder, McIntosh		75
F-595	Electrolytic Needle Holder, McIntosh, with interrupter		1 00
F-600	Electrolytic Needle Holder, McIntosh, with magnifying glass		1 50
*F-605	Electrolytic Needles, steel brochets, per doz		75
*F-610	Electrolytic Needles, Hayes', bulbous-pointed, steel, per dozen		1 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Electric Vibrators



F-620. VICTOR NO. 1 VIBRATORY MASSAGE OUTFIT.

This vibrator is designed for and sold to physicians exclusively and is unquestionably the best massage vibrator on the market.

This outfit consists of a Victor massage motor, especially wound for this work, and to the motor is attached the Victor No. 1 massage handle, which delivers three forms of vibratory massage, viz: (1) percussion stroke; (2) frictional or rubbing stroke; (3) synchronous wave—a most important movement in massage.

The strength of stroke as well as the number of vibrations is at all times under perfect control of the operator.

The handle is designed in such a way that it can be used for general massage without any applicators, and for local work the applicators are attached to the handle.

As the applicators are not connected direct to the running apparatus, the speed or strength of stroke is not affected by pressure.

This machine is furnished with or without pedestal as desired.

Price, complete with applicators, arranged for
110 V. D. C.\$70 00

Price, complete with applicators, arranged for
110 V. A. C. 75 00

No. 1 Pedestal (illustrated), extra 20 00

No. 2 Pedestal, extra 10 00

F-615. VICTOR NO. 16 PORTABLE VIBRATOR.

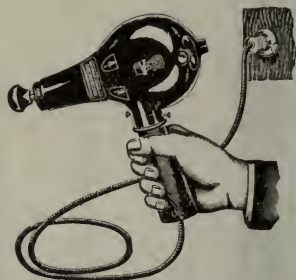
For those physicians who do not care for a flexible shaft vibrator, we offer the Victor No. 16 vibrator as an excellent substitute; it being portable and entirely self contained, permits of bedside treatments, where there are many indications for vibratory massage.

This machine is one of the strongest portable outfits manufactured; ample provision being provided for adjustment by means of a visible scale.

The finish is of the highest order and a plush lined leatherette case complete with a set of applicators is furnished without extra charge.

Price arranged for operation on either direct
or alternating currents \$45 00

Price arranged for operation on both currents.... 50 00



F-622. McINTOSH-CARPENTER VIBRATOR.

Possesses many unique advantages over others. The hand piece does not vibrate the operator, due to a perfectly balanced eccentric and a spring cushioning the return impulse. The length of stroke can be instantly regulated by a trigger. The cabinet is mounted on a ball-bearing, permitting free motion of flexible shaft. Cabinet-work is of quarter-sawed oak in fine, golden finish and is fitted with casters.

Price, for 110 volt direct or 110 volt 60 cycle alternating
current\$75 00

Price, including rectifier for 125-140 cycle alternating cur-
rent\$95 00

QUALITY GUARANTEED.—Specify section letter and number in
ordering.



Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Vibratodes



VIBRATODES.

*F-680	Cup, small, soft rubber, for face.....	\$0 75
F-685	Cup, medium, soft rubber, for general application.....	90
*F-690	Cup, extra large, soft rubber, for abdominal application.....	1 25
F-695	Cup, soft rubber, for mastoid and head.....	60
F-700	Cup, soft rubber, for facial application.....	60
F-705	Cup, soft rubber, serrated edges.....	60
F-710	Curved, hard rubber, for curved surfaces.....	75
F-715	Cushioned, for general work.....	90
F-720	Corrugated, hard rubber, round, for abdominal massage.....	75
F-725	Convex, hard rubber, roller, for muscles.....	1 25
F-730	Disc, for vibration and electric treatment.....	60
F-735	Olive, hard rubber, medium, for muscular vibration.....	75
F-740	Prostatic, combined with electrode.....	2 00
F-745	Rectal, hard rubber, (internal)	75
F-747	Soft rubber ball, solid.....	75
F-750	Soft rubber, brush.....	75
F-755	Soft rubber, multiple point.....	90
*F-760	Spiral, hard rubber points.....	1 25

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Therapeutic Lamps

F-762. VICTOR SUN THERAPEUTIC ARC LAMP.



This lamp places at the command of every physician who has an ordinary electric light service at his disposal, artificial sun light embraced in a thoroughly practical equipment with which he can obtain, if used understandingly, nearly every result to be expected from the most elaborate apparatus designed for the application of light therapeutics.

The "Sun" lamp can be used for practically every therapeutic indication for light and heat.

The outfit is self-contained and comparatively light, and is mounted on easy running casters.

Means are also provided for raising the lamp to any desired height; also to adjust the hood to any angle.

The reflector is made of heavy glass flux which is proof against deterioration, means being provided to adjust the focus to meet the operator's requirements.

A rheostat of approved construction permits the passage of from ten to fourteen amperes across the arc.

Twelve special carbons and two Ray color screens (red and blue) are included with each lamp.

Operable on either direct or alternating current.

Price, complete\$60 00

F-764. VICTOR M. I. P. THERAPEUTIC LAMP.

This lamp is the best of this particular type to be had, regardless of price.

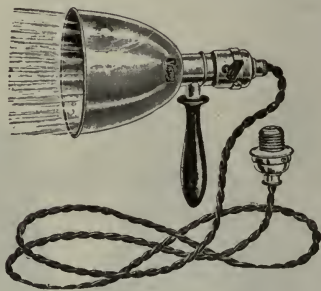
The socket and reflector are in one piece and the reflector is 5 $\frac{1}{4}$ inches in diameter, is triple silver plated, and hand burnished.

The lamp bulb, when used with the reflector, delivers a little over 76 candle power.

The reflector is designed to bring the light rays to a focal point and with this outfit one is able to get very good results.

Price as shown.....\$ 6 50

Screens, each, (red, amber, blue or violet)..... 1 50



F-766. McINTOSH STYLE "I" THERAPEUTIC LAMP CASE.



The Therapeutic Lamp offered consists of a finely polished aluminum reflector containing a 50 c. p. lamp and offering a large volume of heat and light. A set of colored ray screens, ruby and violet, are provided, thus facilitating the use of these forms of light energy. The connections are most substantial, the lamp socket being of porcelain and the cord of the latest re-enforced variety, while the handle is much more durable than ordinarily supplied. With this outfit one can test the value of light as a therapeutic agent very satisfactorily.

Price, Style "I" Lamp Case, as shown.....\$12 00

Price, McIntosh Style "G" Lamp, same as above without case..... 8 00

Price, McIntosh Style "B" Lamp, without screens or case..... 5 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Therapeutic Lamps

F-772. THE JUSTRITE THERAPEUTIC LAMP.



Our Therapeutic Lamp produces a strong, concentrated and penetrating light. As a thermo-therapeutic agent The JUSTRITE Lamp has all the advantages of any of the larger and more cumbersome appliances and costs about 1-10 as much. Its therapeutic efficiency has been fully tested and it is giving absolute satisfaction among hundreds of physicians.

The Hood is spun from brass, nickel-plated inside and out, thus preventing it from changing color by continuous use.

It is equipped with nine feet of the best silk covered cord, Weber's sockets and the plug is of the Benjamin type which prevents the cord from twisting when making connection with the socket.

In appearance the Justrite Lamp is similar to other lamps but it is very different in those essential points that distinguish a good therapeutic lamp from a poor one—One that produces the desired physiological changes within the tissues and one that does not.

Lamp without screens.....	each \$6 00
Screens	each 1 25
Globes, extra	each 1 50
Lamp complete in leather case	
with three screens.....	each 10 00

F-768 McINTOSH STYLE "B" THERAPEUTIC LAMP. 50 CANDLE POWER.

The illustration shows a very convenient form of portable therapeutic lamp of most simple design but of very substantial construction; by far more durable than the flimsily constructed, low-priced lamps offered on the market.

The form of bulb supplied is of the round, 50-candle power, condensed filament style, known as the "Stereopticon type." It throws a strongly concentrated light, rich in both heat and chemical rays.

The socket is of porcelain and is much more substantial than the ordinary brass socket used; not to speak of its greater ability to withstand the heat.

The reflector is of highly polished aluminum; gathering and focusing the rays upon the desired spot and affording the full efficiency of the bulb. Our reflector will hold its lustre long after the cheap nickel plated hoods have become tarnished.

The handle is of hardwood, in neat natural finish, proof against the heat to which it is subjected. An attaching plug with a six-foot length of cord permits of instant connection with any ordinary lamp socket.

Price \$5 00



QUALITY GUARANTEED.—Specify section letter and number in ordering.

X Ray Apparatus

F-774. VICTOR WANTZ RADIOGRAPHIC COIL.

The Wantz outfit differs chiefly from the prevailing types of induction coils in the following respects:

The size of the core.

Construction of core (no wire used).

Proportion between primary and secondary windings.

Cross-sectional area of secondary wire.

Insulation (quality and effectiveness).

Improved type of interrupter.

SPARK LENGTH. Although the actual amount of material used in the construction is equivalent to that used in a 30 inch coil, the main terminals are set for twelve inches and the surplus energy is converted into amperage which is the all important factor of radiography.

PRIMARY AMPERAGE. It is possible to pass from three to one hundred amperes into the primary circuit, thus every need of the operator is met in therapy as well as diagnosis. This current is controlled by means of a rheostat on direct current and a choke coil on the alternating current.

VARIABLE INDUCTANCES. Five inductances are provided for. This means that the operator really has five different size coils at his disposal and it is a simple matter to adjust any tube to the outfit. This is an important feature and will be the means of saving many a tube which otherwise would have been ruined.

ON AND OFF SWITCH. This is of the quick break variety and is so designed that the manipulation is done with the hand instead of the arm.

AMMETER. A reliable dead beat ammeter is placed in a convenient position to be easily read and its function is to indicate the inflow of the supply circuit.

TUBE CONNECTIONS. Connection with the tube is made by means of automatic spring reels which keep the cords taut at all times. A reducing device is placed midway between the main terminals for reducing the vacuum of the tube from the switchboard.

CENTRALIZATION OF CONTROL. All switches and adjusting devices are mounted on or adjacent to switchboard and the operator can make every adjustment without changing his position.

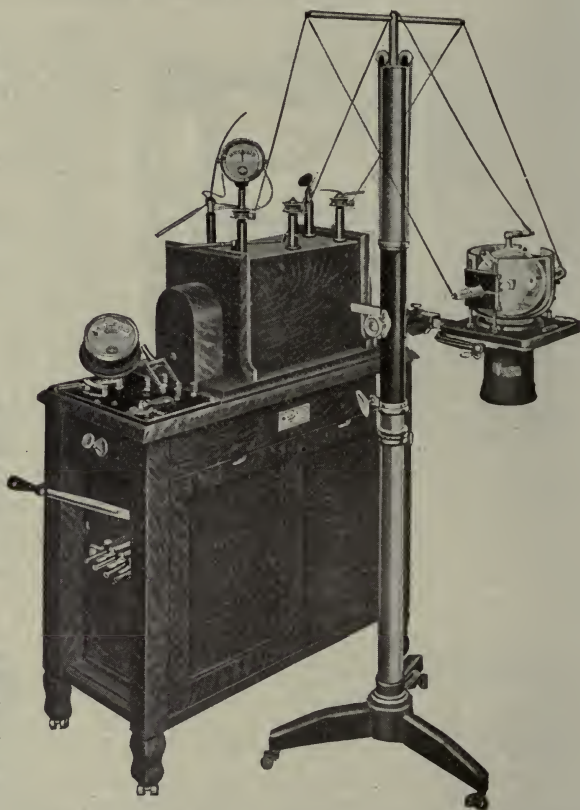
COMPRESSION DIAPHRAGM. The illustration shows the Victor Compression Diaphragm Protection Shield and Tube Stand in operative position. A detailed description of this device as well as the coil and accessories will be sent on application.

We heartily recommend this outfit to the physician or hospital desirous of installing a thoroughly up-to-date, efficient, rapid radiographic apparatus.

Price of coil arranged for either D. C. or A. C.....	\$425 00
Price of single point electrolytic interrupter.....	35 00
Price of three point electrolytic interrupter.....	60 00
Price of five point electrolytic interrupter.....	85 00
Price of Ammeter	30 00
Price of Milliamperemeter (for tube circuit).....	30 00
Price of Rectifier (for alternating current).....	60 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.



X Ray and High Frequency Apparatus

F-776. VICTOR No. 7 HIGH FREQUENCY OUTFIT.

This is a late addition to the Victor line of high frequency apparatus and its function is to displace the resonator which is ordinarily furnished with static machines and induction coils for generating the high frequency currents, using the static machines or induction coil, as the case may be for the primary generator.

This method, at its best, is a very inefficient as well as expensive way of securing results in high frequency therapy and we strongly urge the X-Ray operator who is desirous of using high frequency currents for his therapeutic work to thoroughly investigate the merits of this machine before placing an order for a resonator.

The No. 7 high frequency outfit is connected direct to the lighting circuit and is operated absolutely independent of the coil.

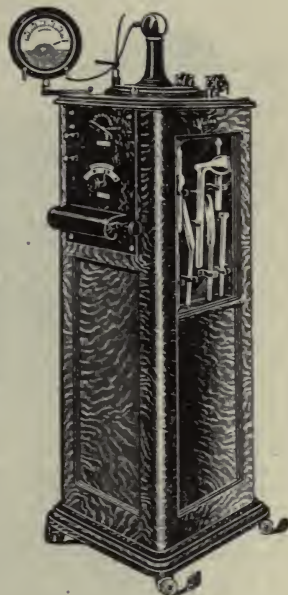
All the high frequency currents are available with wide range, and perfect control permitting the powerful effect in auto-condensation, d'Arsonvalization, etc.

X-Rays suitable for therapeutic work are obtainable, thus increasing the scope of the apparatus.

The purchase price is less than the initial cost of a first class resonator and mercury turbine interrupter which is always used with a resonator.

Price, arranged for alternating current\$165 00

A rotary converter is required on the direct current which we are prepared to furnish.



F-778. VICTOR NO. 4 HIGH FREQUENCY AND X-RAY CABINET OUTFIT.



This apparatus is interrupterless and motorless on the alternating current and interrupterless on the direct current.

It delivers all of the high frequency currents with an unusually wide range and the very best form of control enabling the operator to use any of these currents in every form, ranging from the most delicate vacuum electrode treatment to the most profound effects in auto-conduction, auto-condensation and the bipolar discharge according to Dr. Oudin.

An ultra violet lamp attachment is embodied in the outfit. With this apparatus one is able to do first class X-Ray work ranging, from the light therapeutic to comparatively rapid radiographic work.

The No. 4 outfit is easy of manipulation, economical in operation and maintenance and easy on tubes. These points coupled with the fact that no interrupter, rectifier, battery or chemicals are required makes it an ideal X-Ray and high frequency equipment for the general practitioner.

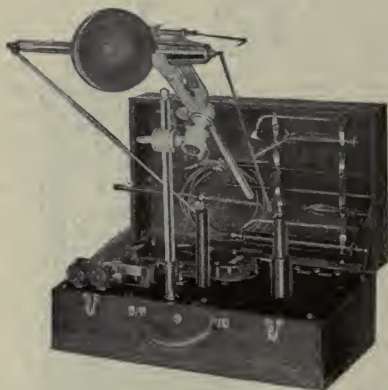
Price arranged for 110 V alternating current\$435 00

Price arranged for 110 V direct current 515 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

X Ray and High Frequency Apparatus

F-783. VICTOR No. 1 PORTABLE X-RAY AND HIGH FREQUENCY OUTFIT.



This outfit is designed for the general practitioner or surgeon in whose practice there are many indications for either X-ray or high frequency currents or both.

From this apparatus can be obtained all of the following currents or modalities.

Vacuum electrode, static spark, fulguration, high frequency spray or effluve, Oudin, Tesla and d'Arsonval currents, ultra violet rays (from A. C. outfit only) and the auto-condensation and auto-conduction currents sufficient for all ordinary treatments.

The range of the X-rays obtainable from this coil is truly remarkable; it being possible to radiograph any part of the body in a reasonably short time. Owing to the nicety of control the X-ray may be used for treatment purposes as well.

The No. 1 coil is about three times as powerful as a sixteen plate static machine and as they both cover the same field, the advantages are in favor of the coil as it is not subject to atmospherical conditions as is the static machine, neither are any batteries, motors or chemicals required.

This machine is portable, weighing only forty-five pounds, consequently it may be carried to the bedside if necessary and connected to the most convenient electric light socket.

Simplicity, durability and a wide range of usefulness are the cardinal points of this apparatus. All parts are artistically arranged and the finish is of the highest order.

Price, arranged for 110 D. C. complete with set electrodes, handle, cords, etc.....\$160 00

Price, arranged for alternating current, complete with above accessories..... 160 00

Price arranged for both currents..... 185 00

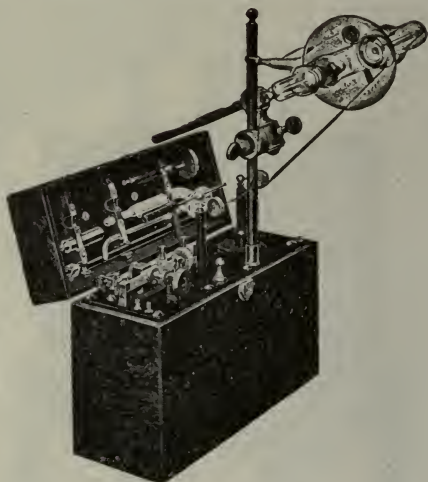
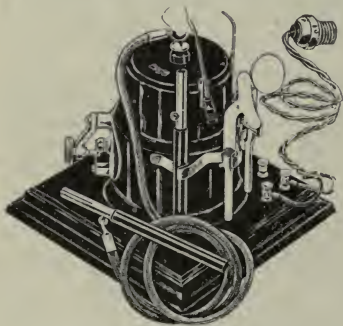
F-784. VICTOR No. 5. PORTABLE X-RAY AND HIGH FREQUENCY OUTFIT.

This outfit is especially designed for eye, ear, nose and throat as well as other specialists who have to deal chiefly with local conditions.

All of the high frequency modalities are available for local application including a limited amount of current for localized auto-condensation and auto-conduction. X-rays are also obtainable sufficient for all therapeutic work as well as for radiography of the extremities.

This coil is operable on either direct or alternating currents, simple and easy of manipulation, finely finished and thoroughly guaranteed for two years.

Price complete with four electrodes, handle and cords, arranged for operation on both direct and alternating currents..\$75 00



F-786. VICTOR GEM HIGH FREQUENCY COIL.

This little outfit is designed for the milder high frequency modalities, such as vacuum electrodes, fulguration, and static spark treatments.

It is particularly recommended to the eye, ear, nose and throat specialist in whose practice there are many indications for high frequency therapy.

The Gem Coil is well made, neatly designed and durable.

Price complete as shown with four vacuum electrodes, handle, cords and protecting case, arranged for operation on both currents....\$25 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

X-Ray Apparatus



F-788. SCHEIDEL-WESTERN INTERRUPTERLESS COIL.

Above is an illustration of our latest radiographic machine built for the Specialist, constructed under the General Electric patents and along our own original lines.

There is not another type of Interrupterless machine constructed on the plan of this equipment. It is constructed for Instantaneous radiography. Cases are built of solid mahogany and are perfect in construction. It is noiseless, easy to operate and there is nothing to get out of order.

Write us for full technical description of this machine.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

X-Ray and High Frequency Apparatus



F-792. SCHEIDEL-WESTERN LATEST COMBINATION RADIOGRAPHIC SPECIAL AND HIGH FREQUENCY OUTFIT.

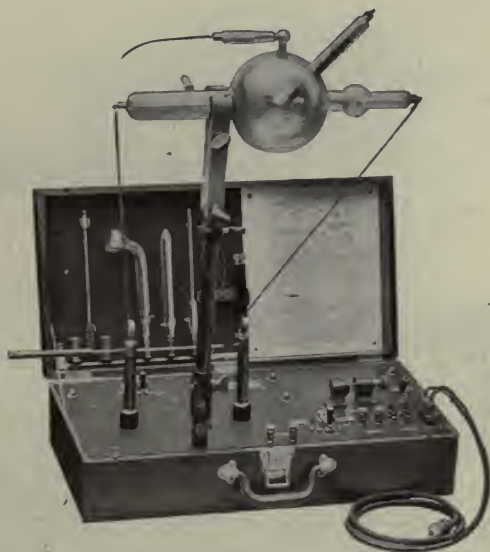
The above cut illustrates the most complete machine of its kind in existence. Gives all classes of high-frequency current, and can be furnished with or without high frequency. It is constructed for accurate, scientific X-ray work.

A radiographic chart is furnished with this machine that explains in a most concise manner to the operator just how long to expose any portion of the body of patients of all weights, to obtain the best radiographic results. Accurate work is thereby assured. This chart is the only one of its kind in existence.

Write for catalog giving full particulars.

QUALITY GUARANTEED.—Specify section letter and number in ordering. Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

X-Ray and High Frequency Apparatus



F-7J4. SCHEIDEL-WESTERN "RADIOGRAPHIC" SUIT CASE PORTABLE COIL.

Weight as shown, 62 lbs. Shipping weight, 100 lbs.

Price without tube and fluoroscope\$160 00

Above is an illustration of the SCHEIDEL-WESTERN Suit Case apparatus which will give all classes of high-frequency as well as X-ray.

Our "Radiographic" Portable Coil outfit consists of the following:—

Case of highly polished Quarter Sawed Oak; X-ray attachment; High-frequency attachment; Cautery attachment; Diagnostic lamp attachment; D'Arsonval current attachment; Adjustable tube holder; Automatic self-winding Steel Tapes; Terminal Posts; Sliding Rod for Spark Gap; Cautery Handle and Cord; Three Cautery Knives; One Diagnostic Lamp; Three metal tip High-frequency Electrodes; Cord and Plug for attaching to lighting circuit.

No special wiring is necessary. It will connect into any ordinary lamp socket.

Guaranteed to take picture of a 180-pound patient in a minute and a half.

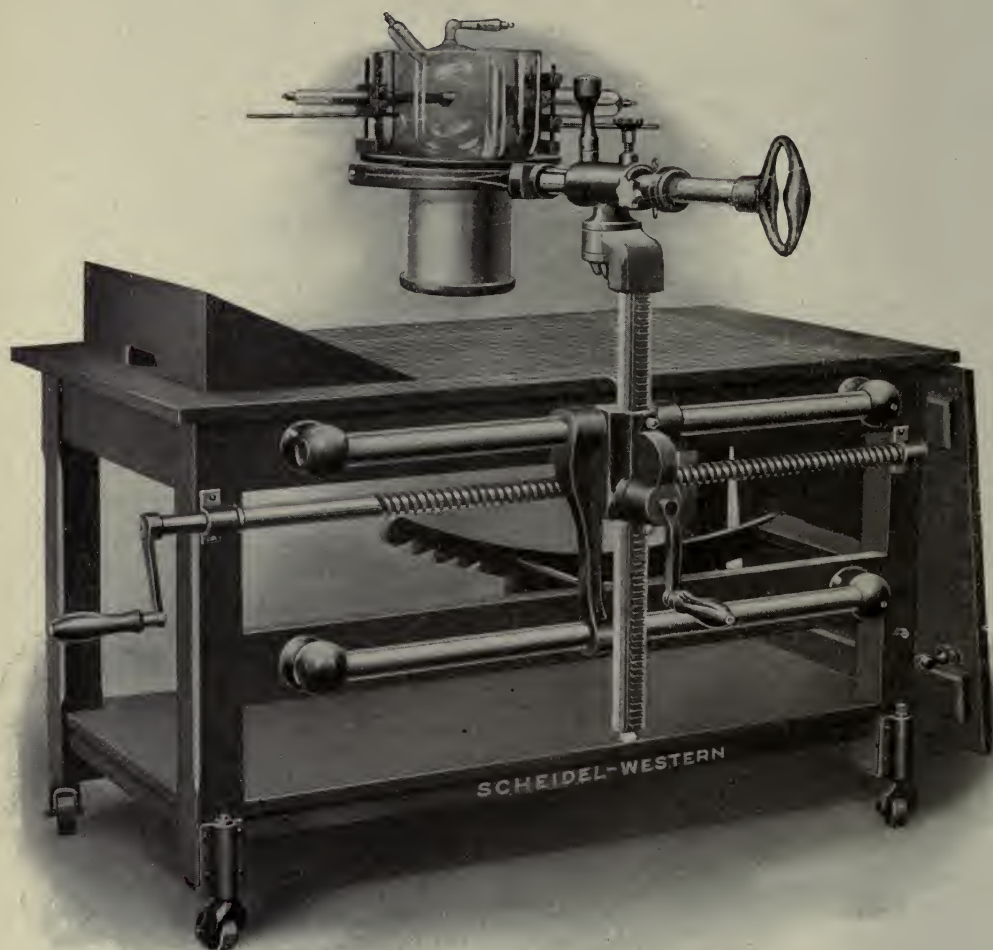
Does cautery work and gives current for D'Arsonvalisation, Diagnostic work and high-frequency.

Workmanship the best. The name SHEIDEL-WESTERN is a guarantee, this concern being the oldest and largest exclusive manufacturers of X-ray apparatus in the world.

Write for latest catalog and full description of this apparatus.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

X-Ray Accessories



F-798. SCHEIDEL-WESTERN RADIOGRAPHIC TABLE AND COMPRESSION DIAPHRAGM.

Dimensions: 4 ft. 3 in. long, 4 ft. 1 in. high, 3 ft. 1 in. wide.

A FEW USES:—Steady, firm, heavy compressor, absolute protection from the ray, general examination table. Stereoscopic, Radiographic, Fluoroscopic examinations convenient and safe; Therapeutic Ray completely controlled by diaphragms; High-frequency by Auto Condensation with Auto Pad, if desired.

A FEW ADVANTAGES:—Universal bearings, allowing free, smooth movement in all directions; single support for diaphragm allows table to be cleared when placing patient; gears do not have to be locked, they stay in place. Graduated table top and upright, guarantee correct position of plate, patient and tube.

Price, table complete\$150 00
Table complete with auto cushion 175 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

X-Ray Accessories



F-802. SCHEIDEL-WESTERN PROTECTION SCREEN.

Price, \$30.00.

The Shield Covered With 1-16 in. Pure Lead, and With Imported Lead Glass Window.

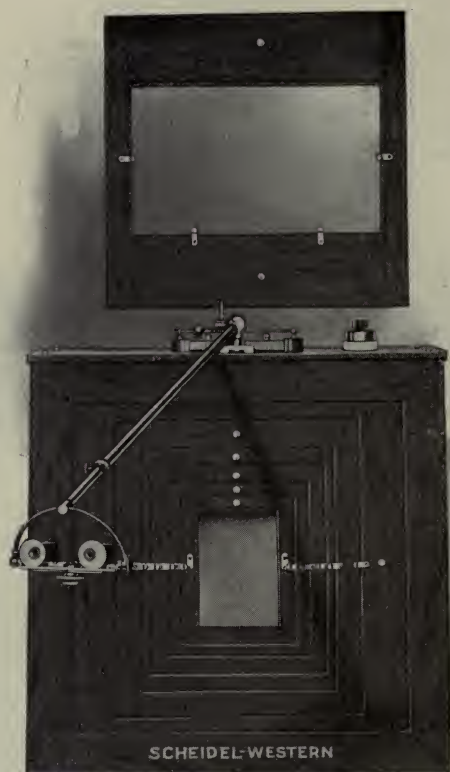
We herewith illustrate the Scheidel-Western Protection Screen. For operators desiring a good shield from the X-ray at a moderate price, this screen is highly recommended. It is covered with one piece of lead through which the rays can not pass and lead glass is provided for observation. The shield is 30 inches wide and 6½ feet high; is mounted on casters so that it may be easily rolled from place to place.

Dimensions: 6 ft. 6 in. high, 2 ft. 6 in. wide.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

X-Ray Accessories



F-804. SCHEIDEL-WESTERN LATEST DIAGNOSTIC BOX.

Dimensions: 2 ft. long, 2 ft. 2½ in. high, 1 ft. wide.

We illustrate the latest Scheidel-Western Diagnostic or Illuminating Box with stereoscope attached. It gives the best view of an X-ray negative in a uniform, white, adjustable light.

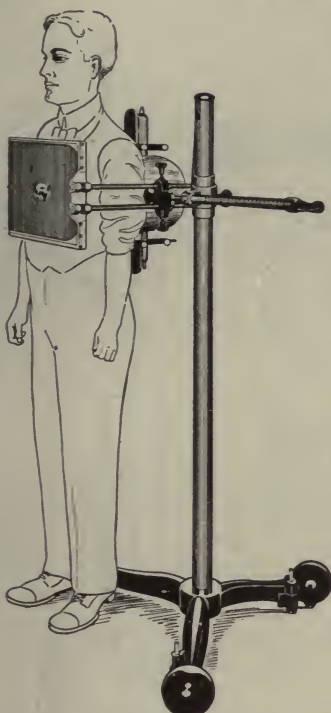
It incorporates not only the variable light features, but attached to it is an adjustable stereoscope for viewing stereoscopic negatives; a separate frame for holding two 8x10 negatives is also provided. This feature is a decided departure and for simplicity and economy of space has not been equaled.

The box is white on the inside and the lamps are so arranged that only reflected light passes through the negative. The box with lamps is wired on slate and porcelain to conform with national code regulations.

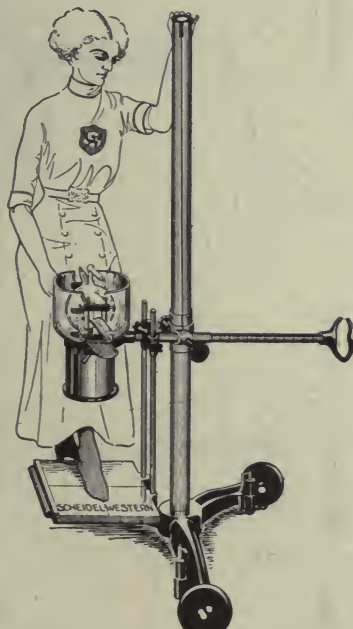
Box only	\$25 00
Box with stereoscope attached	50 00
Stereoscope only, without bracket.....	20 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f.o. b. factory and freight will be added when shipped from San Francisco.

X-Ray Tube Stands



F-796



F-796

F-796. THE "SCHEIDEL WESTERN" LATEST PROTECTION TUBE STAND.

This stand represents the best that can be produced in a medium priced stand and is the best substitute for a compression table where the operator's work does not justify the extra expense.

Advantages.

- (1) It affords absolute protection to operator from Ray.
 - (2) One-half inch GLASS protection shield around tube.
 - (3) Gives compression, the Brass cylinder cuts out secondary ray, etc. For the physician using X-Ray, this is one of the "Rarest of Bargains" ever offered.
- Price, complete as illustratednet \$50 00

A detachable plate holder is furnished with this stand if so desired and provides for making stereoscopic pictures. This plate holder is independent in movement from the tube, which is an absolute necessity in doing stereoscopic work. This stand is counter-weighted, making it possible to raise or lower the head without physical exertion.

Price of Plate Holder, extra\$25 00

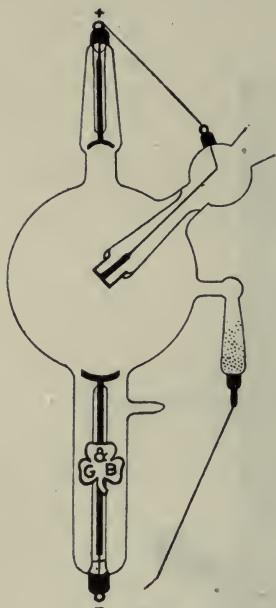
***F-797. THE "SCHEIDEL WESTERN" PLAIN TUBE STAND.**

This is a plain stand, well constructed, and is the best of the cheaper type of stands. It is perfectly rigid, has a heavy base and will hold a heavy tube shield without vibration or danger of tipping.

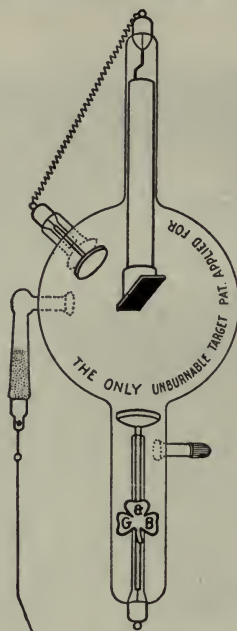
Price, completenet \$12 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

X-Ray Tubes



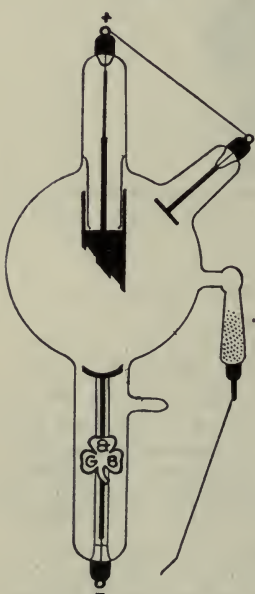
F-818



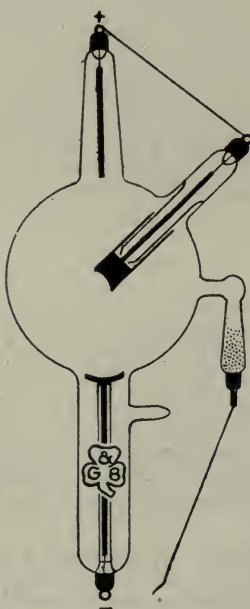
F-812



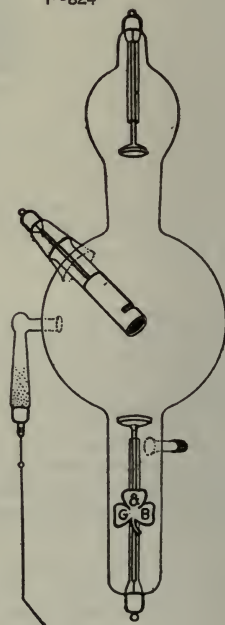
F-824



F-814



F-816

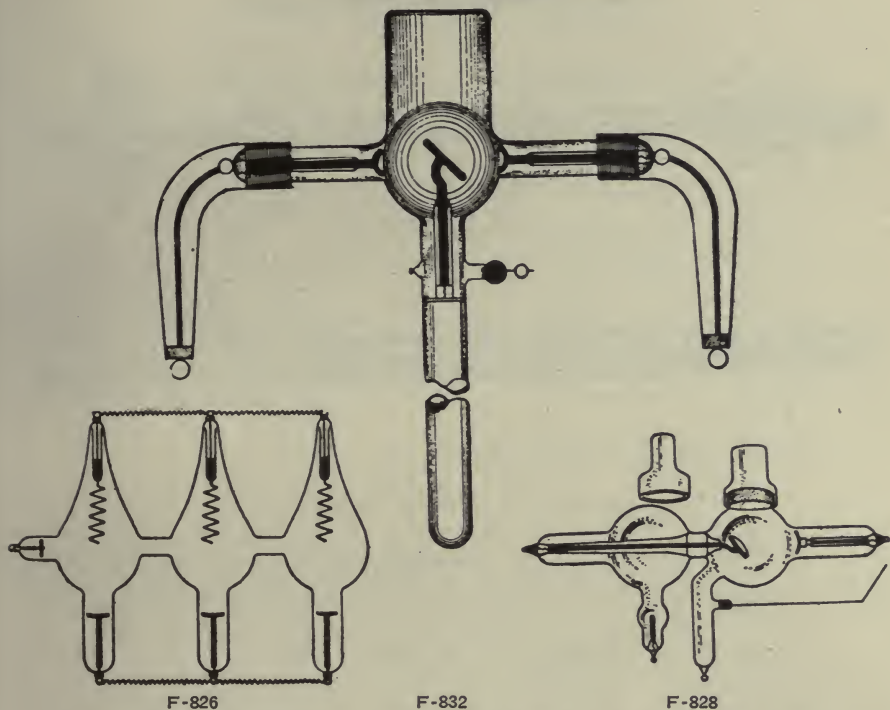


F-822

Safe delivery of X-Ray Tubes will be guaranteed on all shipments only when we are ordered to insure them at a premium charge of 5% added to catalogue price.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

X-Ray Tubes



F-826

F-832

F-828

F-812. GREEN & BAUER'S "CLOVER LEAF" STANDARD TUBE NO. 24.

This tube is fitted with automatic regulation device, and is guaranteed to stand a heavy discharge without dropping in vacuum.

Price, 6 inch, net, \$20.00; 7 inch, net, \$25.00; 8 inch, net \$30 00

F-814. GREEN & BAUER'S "CLOVER LEAF" TUBE NO. 26.

This tube is especially adapted for coils of Heaviest Discharge, is fitted with a heavy iridium button on the face of the target, and will undoubtedly stand a tremendous current discharge without dropping in vacuum.

Price, 6 inch, net, \$30.00; 7 inch, net, \$35.00; 8 inch, net \$40 00

F-816. GREEN & BAUER'S "CLOVER LEAF" TUBE NO. 27.

This tube is adapted for heavy radiographic work and will be found very durable. It is fitted with the old style type of cathode, but may be supplied with the hollow Rex cathode, if so ordered. It is fitted to fill the requirements of physicians.

Price, 6 inch, net, \$20.00; 7 inch, net, \$25.00; 8 inch, net \$30 00

F-818. GREEN & BAUER'S "CLOVER LEAF" TUBE NO. 90.

This is the water cooled type of tube, and must never be used without water. It is superior in construction and is especially adapted to make a number of heavy exposures in quick succession, for treatment on heavy apparatus and for protracted fluoroscopic work.

Price, 6 inch, net, \$32.00; 7 inch, net, \$37.00; 8 inch, net \$42 00

F-822. GREEN & BAUER'S "CLOVER LEAF" TUBE NO. 80.

A heavy anode high frequency tube of superior construction and by far the best type of this class of tube on the market.

Price, 5¼ inch, net, \$18.00; 6 inch, net \$20 00

F-824. GREEN & BAUER'S "CLOVER LEAF" TUBE NO. 81.

A light anode high frequency tube of the same style as the No. 80, but for lighter high frequency apparatus.

Price \$18 00

VALVE TUBES.

F-826 Valve Tube, triple, net \$30 00

*F-827 Valve Tube, single, net 16 00

TREATMENT TUBES.

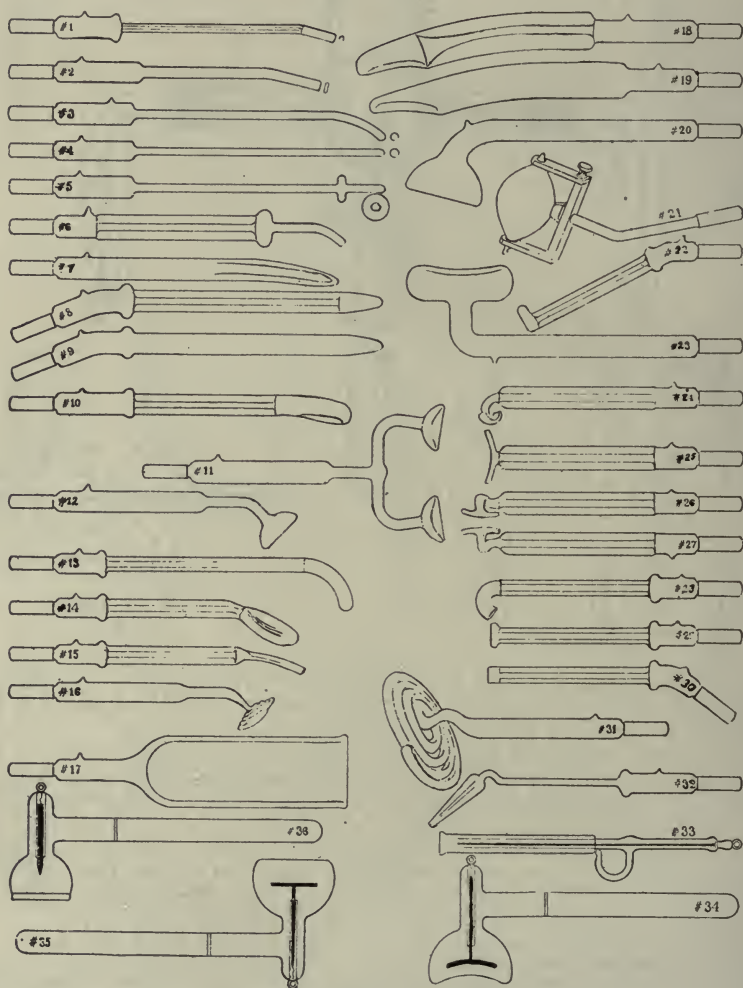
F-828 Treatment Tube, Caldwell's, for coil, net, \$18.00; for static machine, net.... 15 00

F-832 Treatment Tube, Cornell's, for coil, net, \$10.00; for static machine, net..... 9 00

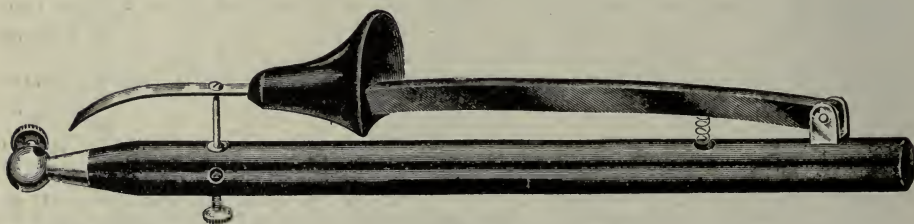
Safe delivery of X-Ray tubes will be guaranteed on all shipments only when we are ordered to insure them at a premium charge of 5% added to catalogue price.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

High Frequency Electrodes



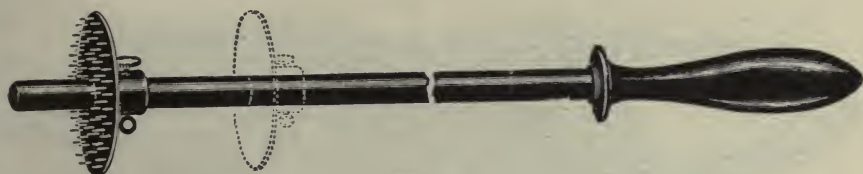
F-852 to 924



F-846

QUALITY GUARANTEED.—Specify section letter and number in ordering.

High Frequency Electrodes



F-848



F-844

HIGH FREQUENCY ELECTRODES AND HANDLES.

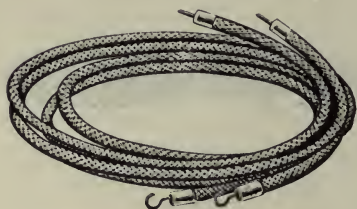
F-844	Electrode Handle, for vacuum electrodes	\$1 50
F-846	Fulgeration Electrode, with 2 short points	4 00
F-848	Spray Electrode, adjustable	2 25

GLASS VACUUM ELECTRODES.

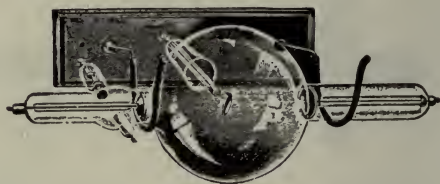
F-852	Dental, insulated, Nos. 24 to 30	each	1 25
F-854	Ear, insulated, No. 32		1 50
F-856	Eye, single, plain, No. 12		1 00
F-858	Eye, double, plain, No. 11		1 00
F-862	Eye, spiral, plain, No. 16		1 00
F-864	Fulgeration, No. 33		3 00
F-866	Mastoid, No. 23		1 00
F-868	Nasal, flat, insulated, No. 1		1 50
F-872	Nasal, flat, plain, No. 2		75
F-874	Penis, No. 17, price varies with sizes, \$2.50 to		4 00
F-876	Pharyngeal, No. 22		1 50
F-878	Prostatic, insulated, No. 10		1 50
F-882	Rectal, plain, No. 7		75
F-884	Rectal, plain, No. 9		75
F-886	Rectal, insulated, No. 8		1 50
F-888	Roller, No. 21		2 25
F-892	Surface, No. 20		75
F-894	Surface, large, concave, with concave accumulator, No. 34		3 00
F-896	Surface, large, flat, with flat accumulator, No. 35		3 00
F-898	Surface, fulgeration accumulator, cataphoresis cup, No. 36		4 00
F-902	Surface, large, spiral, No. 31		2 50
F-904	Throat, insulated, No. 13		1 50
F-906	Tongue, insulated, No. 14		1 50
F-908	Tongue, insulated, No. 15		1 50
F-912	Urethral, No. 3		75
F-914	Urethral, straight, plain, No. 4		75
F-916	Uterine, plain, No. 5		75
F-918	Uterine, insulated, No. 6		1 50
F-922	Vaginal, plain, No. 19		75
F-924	Vaginal, insulated, No. 18		1 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

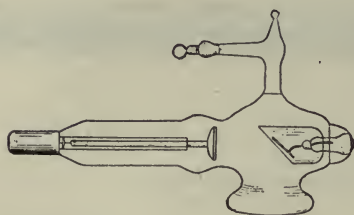
X-Ray Accessories



F-938



F-944



F-942



F-936



F-934

QUALITY GUARANTEED.—Specify section letter and number in ordering.

X-Ray Accessories



F-926-928

FLUOROSCOPES.

- F-926 Fluoroscope, Scheidel-Western, lead protected, 5x7 inches\$18 00
 F-928 Fluoroscope, Scheidel-Western, lead protected, 8x10 inches 35 00
 The handle on this fluoroscope is surrounded with a shield of heavy lead to protect the hand. The platinum barium cynide screen is covered on its inner surface with a sheet of imported lead glass to protect the eyes and face. We advise operators to use a fluoroscope of this design.
 *F-932 Fluoroscope, plain, with 5x7 inch platinum barium cynide screen 12 50

SUNDRIES.

- F-934 Tube Shield, Victor 5 50
 F-936 Tube Shield, made of lead glass, highly polished 5 00
 F-938 Conducting Cords, heavily insulated, per pair 1 25
 F-942 Tube, unipolar, No. 1, complete with handle 7 25
 F-944 Tube Hanger, mounted on highly finished wood base 1 25

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Section "H"

Deformity and Fracture Apparatus
 Splints and Splint Material
 Elastic Hosiery
 Abdominal Supporters
 Crutches, Trusses, Suspensories, Etc.

Note.—We have not sufficient space in this catalogue for the illustration and description of Artificial Limbs. Special literature on this subject will be mailed upon request.

A Word With You

In presenting this portion of our catalogue to our patrons, we find it impossible to illustrate all of the many forms of braces that we manufacture; we are, therefore, obliged to confine ourselves to those patterns most in use, assuring you that we are in a position to manufacture special apparatus of every description, and where patients are sent to us, to take full charge of them until accurately fitted.

SPECIAL INSTRUCTIONS.

1st. We would call attention to the necessity of accuracy in measurements and explicit instructions for the making of each apparatus. We guarantee every appliance sent out by us to correspond exactly with directions and measurements furnished us, and any omissions or errors on our part will be corrected without extra cost to the patient. As this class of apparatus is only manufactured to order, physicians will see the necessity of requiring their patients to pay a portion of the amount when the order is taken, and the balance on the delivery of the brace.

Experience has shown us that appliances of this character are more or less uncomfortable when first worn, and that patients are at that time easily discouraged or dissatisfied with trivial matters; while we will make such changes as are necessary without charge (where the fault is ours), we must ask physicians to protect themselves and us to the fullest extent.

Many physicians of long experience in handling this class of cases collect at least one-third in advance, remit the same to us and direct us to forward the apparatus, as soon as finished, direct to the patient, collecting the balance C. O. D., thus relieving them of all financial responsibility. We suggest this plan because of the numerous requests made by physicians for an extended credit on appliances of this kind, they claiming that they could not afford to pay us cash for them and wait the will and pleasure of their patrons.

Where shoes are to be worn with braces, we urgently request customers to furnish them (sending them to us by registered mail, carefully addressed), for we find it next to impossible to secure well-fitting shoes from measurements furnished us, and quite frequently we are compelled to pay a price far in advance of what patients can obtain them for at home. Where we furnish shoes they are not returnable, as we take no responsibility as to their fitting the patient.

DISCOUNT TO PHYSICIANS, 25 PER CENT FROM PRICES TO PATIENTS.

FOR REFERENCE ONLY.



Talipes Calcaneus



Talipes Equinus



Talipes Valgus



Talipes Varus

QUALITY GUARANTEED.—Specify section letter and number in ordering.

For Reference Only



Cyphosis.

Posterior Curvature.



Pott's Disease.

Angular Curvature.



Lordosis.

Anterior Curvature.



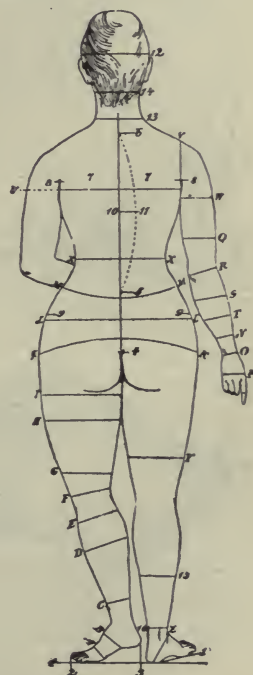
Scoliosis.

Lateral Curvature.

DIAGRAM FOR ORTHOPEDIC MEASUREMENTS.

Explanations of Letters and Figures

- A. Ball of Foot.
- B. Instep.
- C. Above Ankle.
- D. Calf.
- E. Upper Calf.
- F. Knee.
- G. Above Knee.
- H. Upper Third of Thigh.
- I. Thigh at Perinaeum.
- K. Trochanter Major.
- L. Circumference at Pelvis.
- M. Circumference at Umbilicus.
- N. Forearm above Wrist.
- O. Wrist.
- P. Circumference of Hand.
- Q. Arm above Elbow.
- R. Arm at Elbow.
- S. Upper Forearm.
- T. Middle Forearm.
- U. Circumference of Chest.
- V. Circumference under Axilla and over shoulder.
- W. Upper Arm.
- X. Circumference of Waist.
- Y. Lower Third of Thigh.
- Z. Circumference Heel and Instep.
- 1. Sole of Foot.
- 2 to 3. Length of Foot.
- 4. Sacro Lumbar Articulation.
- 5. First Vertebra involved (in sketch).
- 6. Last Vertebra involved (in sketch).
- 7-7. Centers of Scapulae.
- 8-8. Axillae.
- 9. Crest of Ilium.
- 10 to 11. Extent of Curvature.
- 12. Circumference of Head.
- 13. Vertebra Prominens.
- 14. Base of Skull.
- 15. Leg below Calf.
- 16. Ankle.



If we are to furnish shoes for deformity apparatus send the following measurements.

1. Trace outline of Foot on Paper.
2. Length of Foot (2 to 3).
3. Circumference above Ankle.
4. Circumference at Ankle.
5. Circumference of Heel and Instep (Z).
6. Circumference at B.
7. Circumference at A.
8. Circumference at Base of Little Toe.
9. State if for Right, Left, or both Feet.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Orthopedic Apparatus



H-10



H-15



H-20



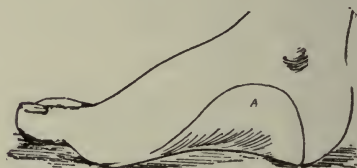
H-35



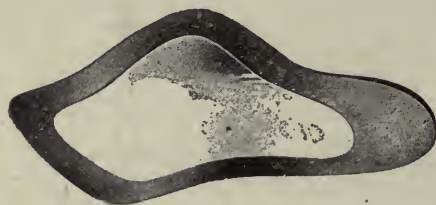
H-5



G-30



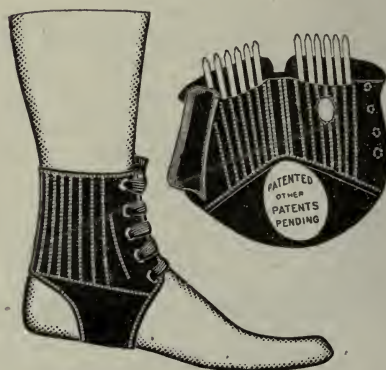
H-45



H-37



H-40



H-22

Orthopedic Apparatus



H-50



H-55



H-60

H-5 APPARATUS FOR OVER-RIDING OR HAMMER TOES. Price, each, from \$5.00 to\$15 00

The apparatus consists of a steel sole arranged with a slit or slits corresponding to the space between the toes. A strap passes through these slits over the contracted toe and is buckled or tied under the sole, tense enough to straighten the toe. It is kept in place by an elastic band. Measurements required: 1. Tracing of foot. 2. Circumference of ball of foot. 3. Circumference of instep (B).

H-10 APPARATUS FOR BUNIONS, SESEMAN'S IMPROVED FORM. Price, each, \$8 00
This apparatus acts as a lever to draw the great toe into normal position, the fulcrum being not the bunion itself, but a point just back of the great toe joint. The illustration shows the mechanism very clearly. In ordering send careful tracing of foot.

H-15 APPARATUS FOR BUNIONS, LONDON'S IMPROVED. Price, each.....\$2 50
In ordering mention size of shoe, state whether brace is for right or left foot, and send outline drawing of the naked foot. Also measure the circumference of the great toe, also measure waist of foot.

H-20 ANKLE BRACE, PUGSLEY'S. Price, each, from .35 to..... \$1 25

H-21 ANKLE BRACE, PUGSLEY'S. Lined. Price, each, from .50 to \$2 00
These supporters are made of thin stiffened sole leather, conforming anatomically to the shape of the ankle, and are to be worn inside the shoe.

H-22 ANKLE BRACE OR SUPPORT, COLLIS. Black sateen, men's sizes 6 to 12, Women's sizes, 3 to 8.....each 75

H-23 ANKLE BRACE OR SUPPORT, COLLIS. Black leather, men's sizes, 6 to 12, women's sizes, 3 to 8.....each \$1 00
Children's sizes, 11-12-13-1-2.....each 65

H-30 ARCH INSTEP SUPPORT, LONDON'S IMPROVED. Full length, per pair 2 50

***H-31..ARCH INSTEP SUPPORT, LONDON'S IMPROVED.** Half length, per pair 2 00
H-30 and H-31 are made in men's sizes, 5 to 11; women's, 1 to 7; boys, 1 to 4; children's, 4 to 13.

London's Arch Support consists of a tempered steel arched spring, covered with chamois, worn in the shoes and supports the bones of the arch.

H-35 ARCH INSTEP SUPPORT, LONDON'S PLANTAR SPRING, German silver, men's, 5 to 11; women's 1 to 7, per pair.....\$ 2 50

H-37 ARCH INSTEP SUPPORT, LONDON'S SILVERITE, made of tempered steel, similar to the Plantar, but without the slots in the side, men's, 5 to 11; women's, 1 to 7, per pair.....\$ 2 50

H-40 ARCH INSTEP SUPPORT, LONDON'S SPECIAL Flat Steel Support, men's, 5 to 11; women, 1 to 7; per pair.....\$ 2 50

H-45 ARCH INSTEP SUPPORT, WHITMAN'S. Price, each, \$3.00 to.....\$4 00

This support is designed to meet special cases of flat foot where the regular stock style of supports will not correct the deformity. They are made of steel or German silver, fitted to a plaster cast of the foot, which must be sent with order if a satisfactory result is to be obtained.

H-50 EXTENSION SHOE, with cork or willow wood sole. Price, each, \$8.00 to..\$14 00

H-55 EXTENSION SHOE, with continuous steel extension frame. \$7.00 to.....\$ 9 00

DIKECTIONS FOR MEASUREMENTS.

Have patient stand erect with both feet bare. Place two piles of blocks or books, one under the heel, and the other under the ball of the foot, building them up until the weight of the patient is evenly distributed, and the pelvis and shoulders are on a horizontal plane. Measure these two piles and forward result to us. Send a well fitting shoe.

H-60 EXTENSION SHOE, IMPROVED. Price, from \$25.00 to.....\$35 00

This apparatus consists essentially of an inclined sole placed on the inside of the shoe. It is fitted either directly to the inside sole of the shoe, with the uppers enlarged to accommodate the heel, or forms part of an inner shoe or sandal which laces to the foot and fits into an outer shoe the size of the one worn on the sound limb. With either style the dress or trousers cover the projection of the heel, so that no deformity is noticeable.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Orthopedic Apparatus



APPARATUS FOR TALIPES CALCANEUS AND EQUINUS.

- H-70 APPARATUS FOR TALIPES CALCANEUS.** Price, each, \$10.00 to.....\$12 00
Shoes are charged extra if we furnish them.

This instrument consists of a pair of steel stems fastened to a shoe, provided with joints at the ankle and secured to the leg with a calf-band. A strong elastic cord, or webbing, is fastened posteriorly to the calf-band above, and a spur-like piece of steel at the heel of the shoe below. By drawing this cord tight, the uplifted sole is faced downward, and the strain on the tendo-Achillis is diminished; at the same time the contracted muscles in front of the leg are extended.

- H-75 IMPROVED APPARATUS FOR TALIPES CALCANEUS.** Price, each, \$10.00 to\$12 00
Shoes are charged extra if we furnish them.

Shows the same apparatus, with this difference: instead of the cord, or elastic webbing, contracting posteriorly as in H-70, we have a steel spiral spring, placed on a pivot and playing between brackets of the leg and ankle stem, to depress the front part of the foot by extension. There is not so much danger of falling with this apparatus when descending stairs, the spurs shown in H-70 being dispensed with.

- H-80 IMPROVED TALIPES EQUINUS APPARATUS.** Price, each, \$10.00 to....\$15 00
Shoes are charged extra if we furnish them.

The improvement consists in the attachment of the artificial muscles to steel brackets, fastened to the lower part of the steel rods below the ankle-joint, in which position they work more effectively and are not so liable to catch anywhere or trip the patient as they are when fastened to the front part of the shoe. Perforated leather straps are attached to their upper ends. These fasten to metal buttons on the side bars. By buttoning the straps higher or lower the amount of tension required to overcome the deformity can be regulated.

- H-85 HUDSON'S TALIPES EQUINUS APPARATUS.** Price, each, \$12.00 to.....\$18 00
Shoes are charged extra if we furnish them.

This apparatus consists of two steel bars, one on the inner and one on the outer side of the leg, jointed at the ankle and fastened to a foot-piece, securely riveted to the sole of the shoe. The upper ends of the bar are fastened to a padded collar, encircling the leg below the knee.

The artificial muscles shown in the illustration are constructed of strong elastic webbing, secured at their lower ends to pieces of catgut which in turn are securely fastened to the lower ends and play in the grooves of semi-circular guides attached to the foot-piece. In this position they are not so liable to catch anywhere or trip the wearer, as they would if fastened to the front of the shoe.

The upper ends of the elastic webbings have strips of perforated leather attached, which fasten on metal buttons placed on each side of the leg-band, so that the tension can be regulated by buttoning the straps higher or lower, thus bringing the foot to its normal position.

MEASUREMENTS REQUIRED.

- | | |
|------------------------|---|
| 1. Patient's name. | 5. Length from sole to ankle joint, inches. |
| 2. Patient's weight. | 6. Length from sole to calf, inches. |
| 3. Patient's age. | 7. Circumference of calf, inches. |
| 4. Right or left foot? | 8. Style of apparatus. |

MEASURE FOR SHOES.

- | | |
|--|---------------------------------------|
| a. Length of sole of foot, inches. | c. Circumference of instep, inches. |
| b. Circumference ball of foot, inches. | d. Circumference above ankle, inches. |

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Orthopedic Apparatus



H-105

H-90

H-95

H-100

H-90 IMPROVED APPARATUS FOR VARUS OR VALGUS. Price, each, \$10.00 to \$15 00

A strong leather shoe with a metal sole jointed near the heel, allows lateral motion. A spiral spring draws the foot outward by a constant, elastic traction. This pressure is increased or decreased at will by fastening the spring in a series of sockets. The single outside upright steel bar, jointed at the ankle, is fastened around the limb below the knee-joint, and is so constructed that the screw at the ankle-joint forces the foot flat upon the floor. A spiral spring attached to the leg-band from a point near the toes upon the outside of the foot, elevates the toes and stretches the tendo-Achilles, thus drawing the foot to its natural position.

The shoe is well-padded, and the contraction of the leather above the heel prevents the shoe from slipping off. The straps around the instep depress any undue prominence of the arch of the foot, and within the shoe a broad and well-padded tongue keeps the toes flat upon the sole of the shoe.

We make a similar apparatus for talipes valgus, in which the same mechanism described above, but with reversed action, is applied.

H-95 GROSS' IMPROVED APPARATUS FOR VARUS OR VALGUS. Price, each, \$15.00 to \$22 50

This apparatus is intended for the treatment and correction of Talipes varus, valgus and equinus. The lower portion consists of a light steel frame to which the leather parts of the shoe are attached. The front part of the shoe is jointed to the heel part under the medio-tarsal joint. By this means it can first be turned to receive the foot in its abnormal position and then by the adjustment of a screw which is controlled by a key, be turned back again, thereby gradually bringing the foot back to its normal position. In cases of equinus the shortening of the tendo-Achilles is overcome by a spiral spring or artificial muscle attached above and below the ankle-joint. The upper portion of the apparatus consists of two lateral steel bars held in position by calf and thigh bands. The bars are made to lengthen between the ankle and knee-joint, so that they can be adjusted, from time to time, to correspond with the growth of the limb. If the muscular power of the knee is not defective, the parts of the brace above the knee may be dispensed with.

H-100 WIENER'S IMPROVED BRACE, FOR CLUB FOOT. Price, each, \$15.00 to \$18 00

The most practical apparatus for the treatment of varus or valgus. The special feature of the brace is one that has been found very effective. It is the inner sole A, made of German silver, covered with leather, and fastened to the inner edge of the shoe. A strap, passing through a slit in the shoe, fastened to the outer edge, and terminating in an elastic muscle is attached to the side bar of the brace to a button just below the padded calf band. When this strap is drawn tight, it lifts up the inner sole, and turns the foot inward and upward, thereby producing a great correcting influence. A cast of the foot in a corrected position should be sent with a pair of full sized, strong, laced shoes.

H-105 WYETH'S CLUB FOOT SHOE. Price, each, \$10 00

MEASUREMENTS REQUIRED.

1. Patient's name and sex.
2. Right, left, or both feet.
3. Length from floor to ankle joint.
4. Length from floor to calf.
5. Circumference of ankle joint.
6. Circumference of calf.
7. Send outline drawing showing shape of foot or feet.
8. Any additional information Additional for Gross' apparatus.
9. Length from floor to knee joint.
10. Length from floor to lower third of thigh.
11. Circumference at knee joint.
12. Circumference of lower third of thigh.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

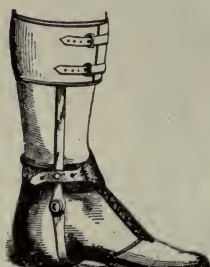
Orthopedic Apparatus



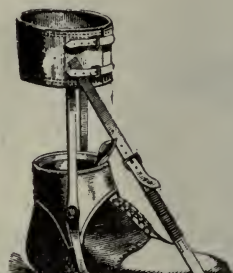
H-110



H-115



H-125



H-120

H-110 DETMOLD'S ANKLE BRACE. Price each, \$7.50 to.....\$10 00

This brace is for weak ankle and after-treatment of club foot. It consists of a well-tempered steel spring, forged at one end into a wide flange, by which it is riveted to the sole of the shoe. By a well-padded band, secured to its top, it is fastened with a strap and buckle to the leg below the knee. It has no joint at the ankle. The tendency of the spring being forward and outward, it will, when brought to the leg by securing its padded band at the garter, lift the toes and avert the foot so as to bring the sole of the latter to the floor. The lace shoe, an ordinary one as usually found, freely made, is narrowed across the instep by the removal of a wedge-shaped piece from its upper; the eyelets being replaced, this enables the tighter lacing of the shoe at the instep, firmly securing the heel of the foot to its place in the shoe.

H-115 WEAK ANKLE BRACE. Price each, \$7.50 to.....\$10 00

Consists of a well fitting laced shoe, two steel uprights with joint at ankle, a stirrup passing under instep and attached to shoe, a well padded calf band, and a pad on inner or outer side as the case might indicate.

H-120 WEAK ANKLE BRACE. Price each, \$9.00 to.....\$12 00

Same general construction as H-115, with the addition of an elastic muscle, for elevating the toes, when a contracted tendo-Achillis is indicated.

H-125 WEAK ANKLE BRACE. Price each, 7.50 to.....\$10 00

Same general construction as H-115, with broad strap at ankle in place of pad.

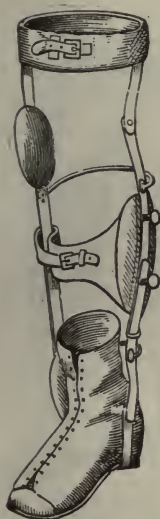
MEASUREMENTS REQUIRED.

1. Patient's name.
2. Patient's weight.
3. Patient's age.
4. Right or left foot.
5. Length from sole to ankle-joint.
6. Length from sole to calf.
7. Circumference of calf.
8. Does ankle incline in or out?

NOTE.—Strong lace shoes should be sent us. If we furnish shoes, they will be charged extra.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

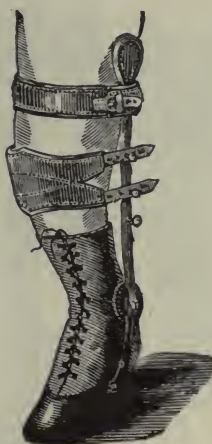
Orthopedic Apparatus



H-135



H-130



H-140



H-145

H-130 THOMAS' BOW-LEG BRACE. Price, \$6.00 to..... \$3 00

The brace is made of soft iron, and the main side-bar extends from the upper margin of the tibia to the sole of the foot. At the upper end is attached a band which passes about two-thirds around the leg. The lower end is forged round, bent at a right angle, and plugs into a hole in the side of the heel of the shoe. The corrective force is exerted by means of a broad strap as shown in the illustration.

The measurements required are: The distance from the upper margin of the tibia to the sole, and the circumference of the limb at the upper point indicated.

H-135 GROSS' BOW-LEG BRACE. Price, each, from \$13.50 to \$15.00; per pair, from \$25.00 to.....\$30 00

This apparatus has two steel bars jointed at the ankle and knee and extending from the sole of the shoe to a padded metal band encircling the thigh. Passing through the outer bar are two thumb screws to the inner extremity of which a pad adapted to the curvature of the leg, is attached. By turning the thumb screws pressure is brought to bear on the limb sufficient to gradually correct the deformity, the pads being screwed down from time to time to conform with the altered shape of the leg. Pads at the ankle and knee, on the opposite bar, provide counter pressure.

H-140 SINGLE BAR APPARATUS FOR BOW-LEG. Price, each, from \$9.00 to \$11.00; per pair, from \$17.00 to.....\$21 00

This apparatus has only one supporting bar, jointed at the ankle, and with pads at the knee and ankle-joints. The bar is fastened on the shoe and placed on the inner side of the leg, where it is secured by a well-padded band passing around the limb below the knee. A wide bifurcated band passes around the curved part of the leg and is fastened by straps attached to both ends of the band, to buttons placed on the steel bar for this purpose.

H-145 DOUBLE BAR APPARATUS FOR BOW-LEG. Price, each, from \$12.00 to \$15.00; per pair, from \$22.00 to.....\$25 00

An apparatus for the correction of bow-leg should not only act upon the curved parts, but should support the limb as well. These requirements are filled by the apparatus shown. The limb is supported by two steel bars, one on the outer and one on the inner side of the leg, fastened below to the shoe and above to a band surrounding the thigh. These bars are jointed at the ankle and knee to allow perfect freedom of motion. They are kept in place by the thigh-band, and also by a band below the knee.

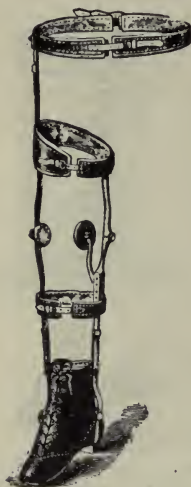
The deformity is corrected by pads placed respectively against the ankle and knee on the concave side of the limb, and a wide leather band passed around the highest point of the arc, inside of the outer stem and buttoned to the heel bar on the concave side. This band is tightened, from time to time, as the limb is gradually brought into the normal line.

MEASUREMENTS REQUIRED.

1. Patient's name, sex, age, weight.
2. If wanted for right, left, or both legs.
3. Length from sole of foot to ankle joint, inner side.
4. Length from sole of foot to knee joint, inner side.
5. Length from sole of foot to knee joint, outer side.
6. Length from sole of foot to lower third of thigh, inner side.
7. Length from sole of foot to most prominent part of arc.
8. Circumference at ankle joint.
9. Circumference at calf.
10. Circumference at knee joint.
11. Circumference at lower third of thigh.
12. Send well fitting pair of strong, laced shoes.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

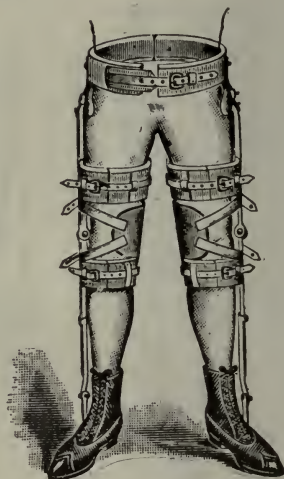
Orthopedic Apparatus



H-160



H-150



H-155

H-150 PLAIN APPARATUS FOR KNOCK KNEE. Price, each, from \$12.00 to...\$15 00

The one represented is the simplest and most convenient in slight cases for the patient to wear, while its efficacy is none the less. It consists of a plain shoe, to which two lateral steel bars, reaching to the upper third of the thigh, are attached, and connected with calf and thigh bands; it is provided with joints corresponding with the natural articulations, to allow locomotion. The knee is confined in its normal condition by a well-padded pad.

H-155 KNOCK KNEE APPARATUS. Price per pair, \$30.00 to.....\$40 00

It consists (if the deformity be double) of two lateral stems, with joints at the ankles, knees and hips, extending from the heels of strong shoes to a well-padded pelvic band. The pelvic band is made in two halves in order to admit of adjustment—the tightening of the posterior buckle everting the toes, that of the front buckle inverting them. Two well-padded leather caps placed on the inside of the knee joints are buttoned to the steel bars on the outside. Tension can be exerted as required. Well-padded steel bands encircle the leg above and below the knee pads, holding the brace in proper position.

H-160 WILCOX'S KNOCK KNEE APPARATUS. Price, single, \$25.00 to \$35.00.
Price, per pair, \$40.00 to\$50 00

The method of applying pressure to the knee is the peculiar feature of this brace. This is accomplished by means of a concave pad, placed opposite the inner side of the joint and attached to the inner bar by means of a very stiff steel spring. The pad and spring are connected by a ball and socket joint so that the pad always accommodates itself to the knee. The spring is attached to the inner bar of the brace, working in a slot, so that the pad can be adjusted to either lie close up against the bar or else projecting some distance from it, as more or less pressure is desired. This is regulated by means of a small screw which, being passed through the bar and spring at a higher or lower hole, increases or decreases the angle of the spring with the bar.

MEASUREMENTS REQUIRED.

1. Patient's name and age.
2. Length from sole of foot to ankle joint, inches.
3. Length from sole of foot to knee joint, inches.
4. Length from sole of foot to hip joint, inches.
5. Length from sole of foot to iliac crests, inches.
6. Circumference of ankle joint, inches.
7. Circumference of calf, inches.
8. Circumference of knee joint, inches.
9. Circumference of middle of thigh, inches.
10. Circumference of body 2 inches below crest of ilium, inches.
11. Right, left, or both legs.
12. Send tracing of leg or legs with patient in recumbent position.

Send us a pair of well fitting, strong laced shoes. Shoes will be charged extra if we furnish them.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Orthopedic Apparatus



H-165



H-165A



H-170



H-175



H-180

H-165 THOMAS' KNEE SPLINT. Price each, \$10.00 to\$15 00

The caliper splint consists of a ring and two side-bars of strong iron wire. The ring slopes from without inward, and from before backward, so that the part upon which the tuberosity of the ischium rests is its lowest part; it is bent to such a shape that when properly padded it shall fit the outline of the upper thigh, following fairly accurately the gluteo-femoral crease and the groin. The ring is padded with felt and covered with basil leather. The side bars should not be bent if it can be avoided. In some cases, however, it will be necessary to bow the inner bar as it passes the knee.

At the back of the splint, extending from below the swelling of the calf to the middle of the thigh is a sheet metal piece, concaved to conform to the shape of the jugd-Roller bandages above and below the knee give perfect immobilization of the knee joint, while the extension is obtained by the weight of the limb itself. This brace is to be used in connection with an extension shoe on the well leg, as shown in H-165A.

H-170..THOMAS' KNEE SPLINT, WITH FOOT PIECE. Price, each, \$12.00 to \$18 00 same construction as H-165, with the addition of an adjustable foot piece.

- | | |
|--|---|
| 1. Length from floor to perineum, inside of leg. | 3. Circumference of ankle joint. |
| 2. Length from floor to trochanter, outside. | 4. Circumference of calf. |
| | 5. Circumference of knee. |
| | 6. Circumference of upper third of thigh. |
| | 7. Outline drawing of leg. |

H-175 SOLE LEATHER KNEE SPLINT. Price each, from \$15.00 to.....\$20 00

Made of stiffened sole leather, lined with chamois, perforated for ventilation, and reinforced at sides and back with light steel bars. Made to lace in front. This splint is especially adapted to cases where the knee requires rest, immobilization and support. Made only from plaster cast of leg.

H-180 MILLER'S KNEE JOINT APPARATUS. Price each, \$15.00 to.....\$20 00

In cases of dislocation of the semilunar cartilage, old sprains of the knee, rupture of the lateral or internal ligaments of the knee joint or in limbs weakened by long ligamentous union of fractured patella, this device will be found to answer a useful purpose. A pad may be placed with a regulating screw to exert pressure on the point of the dislocated semilunar cartilage. A pad can be placed on the inner or outer side of the knee joint. In cases of un-united fractures of the lower and middle third of the femur, this apparatus will frequently accomplish better results than more complicated and expensive appliances. The width of both the thigh and leg band can be varied to suit the requirements of the individual case, and the hinge joints can be arranged to work freely or otherwise, as may be desired. A plaster cast of the leg sent in to us will enable us to obtain a more perfect fit.

MEASUREMENTS REQUIRED.

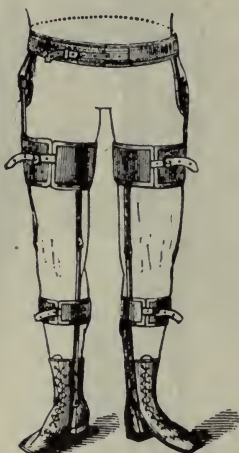
- | | |
|--|--|
| 1. Length from below calf to knee joint. | 3. Circumference below calf. |
| 2. Length from knee joint to upper third of thigh. | 4. Circumference around calf. |
| | 5. Circumference of knee joint. |
| | 6. Circumference upper third of thigh. |

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Orthopedic Apparatus



H-210



H-185



H-215



H-205

H-185 APPARATUS FOR SUPPORT OF WEAK LIMBS. Adults', price \$25.00 to \$70 00

H-190 APPARATUS FOR SUPPORT OF WEAK LIMBS. Children's, price \$25.00 to.....\$35 00

This apparatus is for the support of weak legs when, by reason of relaxed joints, softening of the osseous structure or partial paralysis, they cannot quite bear the weight of the body, but when the muscles still retain some power to perform their respective functions. Very light steel springs are secured to shoes, and carried up the sides of the legs to the pelvis; they are provided with joints corresponding to the natural ones, and secured to calf, thigh and pelvis by well-padded bands and buckles.

***H-195 APPARATUS FOR SUPPORT OF WEAK LEG.** Adults' Price, \$25.00 to \$40 00

***H-200 APPARATUS FOR SUPPORT OF WEAK LEG.** Children's. Price, \$15.00 to 20 00
This apparatus is similar to H-185, and is intended for the relief of cases where only one limb is affected.

H-205 LOCK JOINT APPARATUS FOR PARALYSIS. Price each, \$30.00 to.....\$40 00

This apparatus is made for paralysis of one limb. By an improved mechanism the knee-joint is locked while walking, and to enable the wearer to sit down, a lever is arranged at the joint, which, when pressed with the finger outside of the clothing, above the knee, unlocks the joint and permits bending of the knee. In rising and straightening the limb the joint automatically locks itself. The side bars and ankle and knee-joints are made somewhat stronger than in those cases in which the patient has control of the knee-joint.

A strong piece of elastic webbing, designed to overcome muscular contraction, extends from the sole of the shoe to the bar above the ankle. The encasements for the thigh and leg are of strong leather and are well padded.

H-210 APPARATUS FOR PARAPLEGIA. Price, \$35.00 to.....\$70 00

This apparatus excites the muscles to action, aiding them by artificial substitutes, made of elastic rubber or steel, placed on the brace so as to gently exercise the affected parts. We attach these artificial muscles for flexion or extension, as the case may require. The apparatus is riveted to the shoes and consist of two strong upright bars for each leg, jointed at the ankle, knee and hip; to which steel bands, well padded, are fastened, encircling the leg and thigh. We make these appliances either with plain joints or with joints having coiled springs at the knee by which, when the leg is bent backwards and the power relaxed, it will involuntarily spring forward.

H-215 APPARATUS FOR HEMIPLEGIA. Price, \$25.00 to.....\$40 00

Apparatus same as H-210, but intended for one leg only.

MEASUREMENTS REQUIRED.

- | | |
|--|--|
| 1. Patient's name and description of the case. | 7. Length from sole of foot to crest of ilium, inches. |
| 2. Patient's age. | 8. Circumference of calf, inches. |
| 3. Right, left, or both legs. | 9. Circumference of knee, inches. |
| 4. Length from sole of foot to ankle joint, inches. | 10. Circumference above knee, inches. |
| 5. Length from sole of foot to knee joint, inches. | 11. Circumference of thigh, inches. |
| 6. Length from sole of foot to trochanter major, inches. | 12. Circumference of pelvis one inch below iliac crests, inches. |
| | a. Length of sole of foot, inches. |
| | b. Circumference of ball of foot, inches. |
| | c. Circumference of instep, inches. |
| | d. Circumference above ankle, inches. |

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Orthopedic Apparatus



H-230

H-225

H-220

H-220 SAYRE-TAYLOR LONG HIP SPLINT. Price, \$25.00 to.....\$40 00

This apparatus consists of a well-padded pelvic band having two perineal straps, a hollow steel upright connected to the pelvic band by a rotating hinged base, with screw for abduction, a well padded band at the knee and a cross piece below which acts as a foot rest. Extension is made by means of a rack and pinion mechanism in the lower part of the upright. Straps attached to the cross piece are buckled to the shoe or to adhesive strips properly applied above the ankle.

MEASUREMENTS REQUIRED.

1. Sex, weight and age of patient.
2. Length from sole to foot to crest of ilium, inches.
3. Length from sole of foot to center of knee joint, inches.
4. Circumference of body 1 inch below crest of ilium, inches.
5. Circumference of knee joint, inches.
6. Right or left leg.
7. General condition of patient.

H-225 THOMAS' HIP SPLINT. Price, leather covered, \$10.00 to.....\$15 00
Extension, extra, \$6.00 to.....10 00

This apparatus is designed to immobilize the hip joint, and consists of a flat steel posterior band extending from the scapula to the calf of the leg, a band passing around the chest, a band passing around the pelvis below the iliac crests, a band around the middle of thigh, and one around the calf. If necessary shoulder straps are attached to the chest band to hold brace in proper position. The splint is designed to be worn with an extension on the sound foot, as illustrated.

H-230 DAVISON'S MODIFICATION OF THOMAS' HIP SPLINT. Price, including cork extension, \$30.00 to.....\$35 00

This splint is used in hip joint troubles and fractures of the neck of the femur in old people. The splint is more easily applied and more comfortable than the regular Thomas splint. The general construction is the same as in the Thomas splint, with the addition of laced leather shafts to the original iron bands of Thomas' instrument. Chest and pelvic bands are well padded and comfortable. A well padded strap passes under the tuber ischium and is fastened to the pelvic band in the rear, thus supplying counter extension. The detachable nurse H is attached by means of straps to the shoe, which is furnished with buckles.

This splint is especially desirable when the surgeon finds it necessary to get the patient up and moving around. The entire limb is extended in the frame and the nurse H keeps the leg in proper position. An extension shoe $1\frac{1}{2}$ or 2 inches high is worn on the sound limb. Patients must furnish their own laced shoes.

MEASUREMENTS REQUIRED.

1. Stand patient on sound leg, placing books or blocks under the diseased leg until the spine is straight. Take piece of strip lead and make contour of limb from scapula, over buttock and posterior part of leg, to point below the swelling of the calf. Transfer to paper, marking off calf, knee joint, middle of thigh, and crest of ilium.
2. Circumference below calf, inches.
3. Circumference of calf, inches.
4. Circumference of knee joint, inches.
5. Circumference of lower third of thigh, inches.
6. Circumference of upper third of thigh, inches.
7. Circumference 2 inches below crest of ilium, inches.
8. Circumference of chest under axillae.

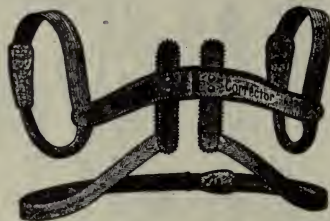
QUALITY GUARANTEED.—Specify section letter and number in ordering.

Orthopedic Apparatus



FRONT VIEW.

H-250

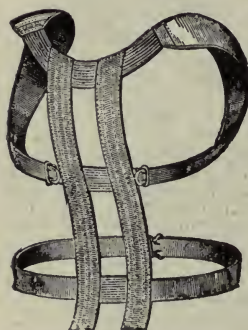


H-240



BACK VIEW.

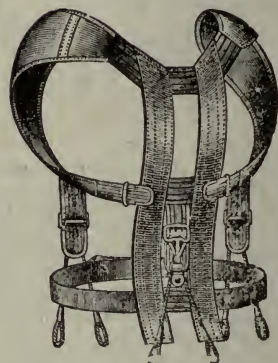
H-250



H-270



H-245



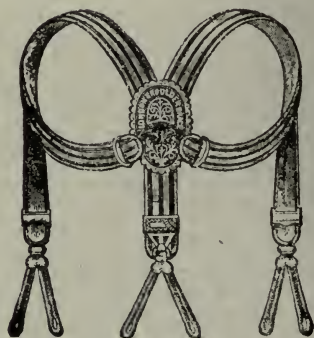
H-275



H-260



H-255

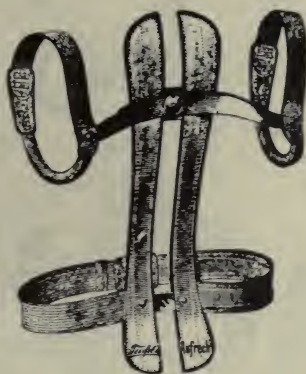


H-265

Orthopedic Apparatus



H-280



H-235



H-285

SHOULDER BRACES.

H-235 THE "AUFRECHT." Child's, \$5.00 and \$5.50; youths', \$6.00 and \$6.50; adults, \$7.00 and\$7 50

This brace is made light, but strong and durable, and may easily be applied and removed. The back springs are covered with soft kid, felt lined, the shoulder springs are finely finished and nickel plated, the arm straps are made of non-elastic web to buckle, the crutches being rounded and well padded. The waist strap is elastic on one side.

H-240 THE "CORRECTOR," made in 5 sizes. No. 0, 7½-inch spring, \$3.25; No. 1, 8½-inch spring, \$3.50; No. 2, 9½-inch spring, \$3.75; No. 3, 11-inch spring, \$4.00; No. 4, 12-inch spring.....\$4 50

When ordered with suspender attachments, extra..... 75

This is an effective appliance for the treatment of round shoulders in cases where the back supporting springs of the "Aufrecht" are not required. Can be supplied with suspender attachment if wanted.

H-245 THE "CORSET BACK," japanned springs, covered with fine jean, sizes from 10 to 19 inches back.....\$1 50

H-250 THE "ENGLISH MILITARY," made of fine jean..... 2 00

H-255 THE "GRAY'S," ladies', 4 sizes.....each 1 50

H-260 THE "GRAY'S," 3 sizes, boys', \$2.00, youths', \$2.25, adults'..... 2 50

H-265 THE "LONDON," men's, 3 sizes..... 1 25

H-270 THE "STEEL SPRING," leather covered, japanned springs, sateen shoulder caps; sizes from 10 to 19 inch back..... 1 50

H-275 THE "STEEL SPRING," men's leather covered, japanned springs, sateen shoulder caps, suspender attachments, sizes from 10 to 19 inch back..... 2 00

BRACES FOR ANTERO POSTERIOR CURVATURES.

H-280 STILLMAN'S, ANTERO POSTERIOR BRACE. Price from \$30.00 to.....\$40 00

This brace is composed of a light double pair of springs. The under springs are somewhat shorter and are provided with a pad at their extremities for pressure on the dorsal region when the brace is applied. By means of ratchets the power of the springs is regulated. To make the brace effective, the curves of the under springs are made the reverse of the curves of the deformity. Thus the curve of the deformity and the curve of the combating springs are so placed in contact with each other that, when the brace is applied and the springs are drawn tightly towards each other, reduction in the exaggerated curves of the spine results.

H-285 NYROP'S ANTERO-POSTERIOR BRACE. Price from \$12.00 to.....\$15 00

This brace consists of a steel pelvic band well padded, to which is attached a tempered steel upright, so shaped as to exert a corrective force upon any upper dorsal flexion, a metal cross piece at the upper end of the upright terminates in round auxiliary straps. Measurements required, same as H-280.

MEASUREMENTS REQUIRED.

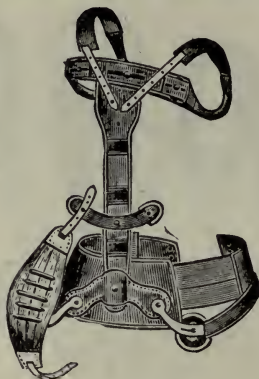
1. Sex of patient.
2. General appearance of patient.
3. Lay a soft piece of lead wire along the back, moulding it exactly to the spine, from the seventh cervical vertebra to the middle of the sacrum. With this pattern trace carefully the shape of the spine on a sheet of paper, marking the points opposite the upper and lower borders of the scapula and the crest of ilium.
4. Circumference of body between crest of ilium and trochanter major.
5. Circumference of body at waist.
6. Circumference of body under axilla.
7. Distance between the upper borders of the scapula.
8. Distance between the lower borders of the scapula.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

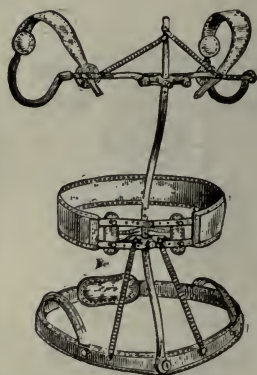
Orthopedic Apparatus



H-295



H-300



H-290

BRACES FOR ANTERIOR CURVATURE.

H-290 DELICATE SPINE BRACE, for Anterior Curvature or mild cases of Pott's Disease. Price from \$35.00 to.....\$40 00

This brace is intended only for cases where the deformity is mild, or when the physical condition of the patient will not admit of a heavier apparatus. It is constructed of the finest steel, delicately wrought and neatly padded, the brace in every way being made as light and delicate as possible.

H-295 JOHNSTON'S SPINAL SUPPORT, for Anterior Curvature. Price from \$20.00 to\$30 00

Attached to a well-padded pelvic band is an upright steel bar to which is fastened by an adjustable arm, pads for the scapulae. This adjustable arm terminates in well-padded crutch horns fitted accurately under the axilla to relieve the weight of the body, the straps passing over the shoulder, continuing diagonally across the back, and buttoning on the scapular pad of that side. On the upright steel bar three or more steel springs, well tempered, are fastened. These springs are so shaped that they act as strong levers. The broad abdominal band is made of satteen jean, interlaced with some elastic material and buckled by straps to these springs; they not only afford support, but produce a certain amount of pressure to the abdominal muscles, and by so doing reduce the enlarged or pouched appearance that is so well marked in this trouble. The corset part is made concave so as to act as an abdominal supporter. This brace can be adjusted so readily that it does not interfere in the least with any other treatment indicated in cases of this kind.

H-300 NYROP'S SPINAL SUPPORT, for Anterior Curvature. Price from \$25.00 to \$30 00

This apparatus consists of a steel spiral upright, with a cross piece above to which auxiliary straps are fastened. The pelvic band is broad and takes additional purchase by means of two pads. To a well tempered cross piece just above the pelvic band is attached an elastic abdominal band, by means of which the pouched appearance of the abdomen so well marked in this trouble, is greatly reduced.

MEASUREMENTS REQUIRED.

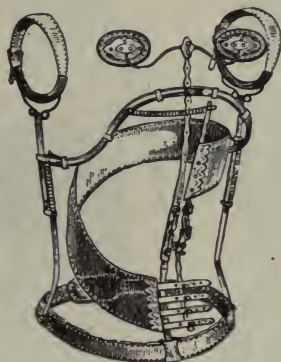
1. Patient's sex, age and weight.
2. Distance from vertebrae prominens to sacro lumbar articulation.
3. Distance from axilla to crest of ilium, right side.
4. Distance from axilla to crest of ilium, left side.
5. Distance from center of right to center of left scapula.
6. Circumference of waist.
7. Circumference of chest under axilla.
8. Circumference of pelvis 1 inch below crest of ilium.
9. Circumference of arm under axilla and around shoulder.
10. Place a flexible strip of metal along the spine, moulding it exactly to its curves from the seventh cervical vertebra to the middle of the sacrum. With this as a pattern, trace carefully the curve obtained upon a sheet of paper, marking upon it location of following points: Upper and lower borders of the scapulae, crest of ilium and affected parts of the spine. Send us this tracing.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

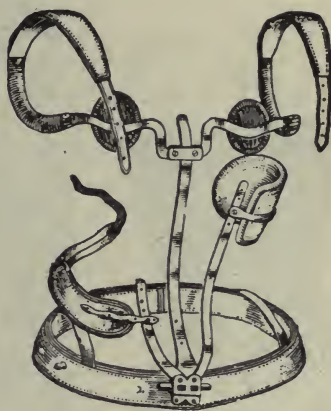
Orthopedic Apparatus



H-305



H-310



H-315

BRACES FOR LATERAL CURVATURES.

H-305 IMPROVED BRACE FOR LATERAL CURVATURE. Price, \$25.00 to.....\$35 00

To the pelvic belt are attached, laterally, two elastic crutches, so as to relieve the spine of the weight of the trunk. Posteriorly, a single, strong, upright bar, holding a couple of adjustable pads for the scapula, and just below, a leather band, of proper width, terminating in strong elastic India-rubber webbings. This band is passed around the protuberance obliquely, and buckled to the pelvic belt in front, an inch or two beyond the linea alba.

H-310 DELICATE BRACE FOR LATERAL CURVATURE. Price.....\$40 00

This apparatus is designed only for cases where the deformity is mild or where the physical condition of the patient is such as not to admit of the use of a heavier appliance. It is constructed of the finest steel, delicately wrought and neatly padded, the brace being made in every way as light as possible.

H-315 LEVER BRACE FOR LATERAL CURVATURE. Price.....\$45 00

This apparatus consists of a well padded steel pelvic band, to the posterior center of which is attached an upright steel bar, its curves conforming to those of the spine, and holding at its upper extremity upon an adjustable cross-piece two oval pads, resting upon the shoulder blades when the brace is applied.

Attached to the ends of the adjustable cross-piece, are padded crescent-shaped crutches, terminating in padded shoulder straps which fasten on buttons, placed upon the oval shoulder blade pads.

To the posterior center of the pelvic band is attached also a metal box, containing two archimedian screws which move with the aid of the key so as to exert and maintain any amount of pressure against the protuberances; the two upright bars armed at their upper extremities with well padded metal adjustable pads. As the uprights are constructed of spring tempered steel, all pressures exerted by them in combating the deformities are elastic while constant.

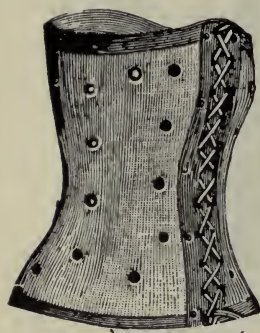
MEASUREMENTS REQUIRED.

1. Patient's name (or sex).
2. Patient's age.
3. Patient's weight (estimated).
4. Distance from sacro lumbar articulation to vertebra prominens.
5. Distance from sacro lumbar articulation to first vertebra involved.
6. Distance from sacro lumbar articulation to last vertebra involved.
7. Distance from crest of ilium to axilla, right side.
8. Distance from crest of ilium to axilla, left side.
9. Distance from the center of one scapula to the center of the other.
10. Horizontal (transverse) diameter of the protuberance.
11. Circumference of chest under axillae.
12. Circumference of pelvis one inch below the iliac crests.

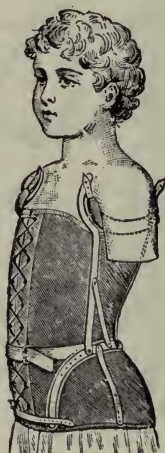
In addition to the above measures, please state if the convexity of the curve is to the right or left side.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Orthopedic Apparatus



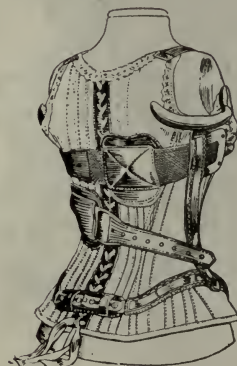
H-330



H-320



H-320



H-325

BRACES FOR LATERAL CURVATURE.

H-320 THE BEELY SPINAL CORSET. Price, \$50.00 to.....\$75 00

This appliance was devised by Dr. F. Beely, of Berlin, Germany, and is used by him with excellent results. Its use has been very satisfactory where the surgeon has succeeded in having the corset properly made and accurately fitted to patient. It can be used in the treatment of either scoliosis or kyphosis, though Dr. Beely recommends it particularly for the former deformity. It is made over a cast of the patient, which should be made while the patient is suspended, or it is fitted to the patient himself, where convenient. The appliance is made of strong cloth and spring steel work, except the pelvic portion, where the steel should be malleable. It is made to lace front and back, admitting of easy removal or application. Axillary crutches support the trunk, and the careful fitting over the hips gives a good foundation to a proper corrective force. If the patient cannot come to our establishment for a fitting, a plaster mould of the body, made in the usual way (it must come low down over the pelvis), must be sent to us carefully boxed, with such particulars of the case as will aid us in the construction of the corset.

H-325 THE VIENNA EXTENSION CORSET BRACE, for Lateral and Posterior Curvatures. Price, \$35.00 to.....\$50 00

This corset is made of strong white cloth, reinforced with whalebone strips. A steel pelvic band, adjustable over the sacrum, is curved to fit over the crest of ilium, so that the weight of the extension crutches rests on the soft parts. The crutches are adjustable, and may be extended as the growth of the patient or the improvement in the case may require. A broad band of strong elastic webbing carrying a flat pad is attached to one of the side uprights, and passing round the back is attached to the upright on the opposite side. In some cases two of these elastic bands are required, especially when the spine is rotated. In Potts' Disease they are placed in an entirely different position from those shown in the illustration.

A constant elastic pressure is exerted upon the protuberance by this method, which is more effective and less irksome than the screw mechanism and steel pads employed in most of the spinal apparatus now in use. If it is impossible to send the patient to us for fitting, a plaster cast of the body must be sent us, in order to insure a perfect fit and obtain the best results.

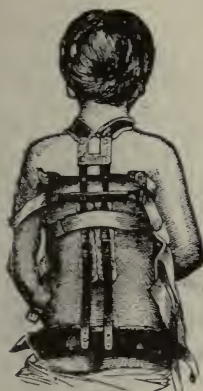
H-330 SOLE LEATHER JACKET, for Lateral Curvatures. Price.....\$25 00

***H-335 SOLE LEATHER JACKET, with jury mast attachment.**..... 35 00

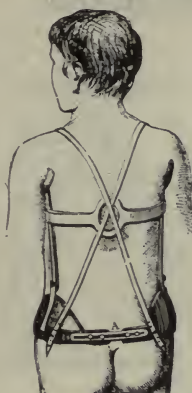
This jacket is made of sole leather, lined with chamouis, with well padded crutches under the arm, made to lace with hooks in front. Leather body is perforated for ventilation. These jackets in order to obtain the best results must be made over a plaster cast of the body made from a plaster jacket, put on the patient while suspended. These jackets should be made under our own supervision to insure the best results.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

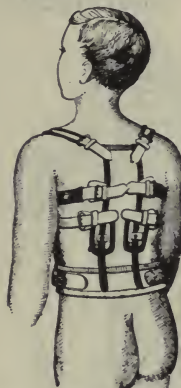
Orthopedic Apparatus



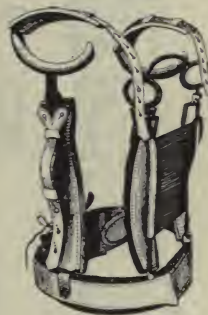
H-355



H-350



H-345



H-340

BRACES FOR POSTERIOR CURVATURES.

H-340 IMPROVED BRACE FOR POTTS' DISEASE. Price.....\$35 00

This brace is intended to afford an elastic and gentle pressure to the parts to which it is applied, giving to the patient an easy and comfortable feeling. It is made of light tempered springs, and softly padded wherever it comes in contact with the body.

The belt below passes around the pelvis, and the principal weight is thrown upon the gluteal region. Two upright parallel bars pass on each side of the posterior elevation, having a portion of silk elastic rubber between them, for the purpose of preventing further curvature. If the latter is inflamed, a portion cut out of the elastic material prevents direct pressure upon the extremity of the bone. Upon these side bars are attached two elliptic and padded springs, yielding to every pressure, adapting themselves to the spinal column, and keeping the body in an erect position. The two padded crutches are elastic and elevate the body, pressing mostly under the margin of the scapula.

H-345 WASHBURN'S SPINAL BRACE FOR POTTS' DISEASE. Price, \$15.00 to \$20 00

In the accompanying figure a band of steel, which passes half way around the pelvis just above the trochanters; two flat bands of steel parallel to each other, and curved upon their flattened sides to the form of the patient. These bars are curved a little less than the spine, so that when secured in position, their elasticity will operate to rectify the spinal curve. The cross-bar at the upper ends of the parallel ones is firmly riveted to them, and crosses the back just above the spines of the scapulae. At the ends of this bar are affixed buckles which receive the shoulder straps. Buckles are attached to various parts of the brace by means of which it is secured to the front part of the apparatus, which consists of a piece of strong material covering the chest and abdomen.

H-350 LANNELONGUE'S SPINAL BRACE FOR POTTS' DISEASE. Price, \$25 00 to \$20.00 to

This brace consists of a well padded pelvic band, with slide adjustment over sacrum, two adjustable crutches extending from the crest of ilium to the axillae, well padded caps, fitting over the crest, straps passing from shoulder crutches in front and fastened to the pelvic band behind, these straps exerting pressure upon a fenestrated horizontal band, passing over the vertebrae prominens, and attached to the crutch uprights.

H-355 TAYLOR'S SPINAL BRACE FOR POTTS' DISEASE. Price, \$20.00 to.....\$30 00

Consists of a semi pelvic band well padded, two steel spinal uprights, fitting on each side of the spinous processes, two horizontal steel bars, crossing the uprights at the scapulae, and two well padded curved steel pieces attached to the uprights, fitted to embrace the neck firmly, two shoulder straps fastened to these curved pieces passing over the shoulders, under the axillae and buckling to the upper horizontal bar. Two pads made either of leather filled with cork or curled hair, or of hard rubber are adjusted to the uprights and fitted on each side of the vertebrae prominens. An apron in front is attached to the lower horizontal bar and pelvic band to sustain the abdomen and exert pressure.

DIRECTIONS FOR MEASUREMENTS.

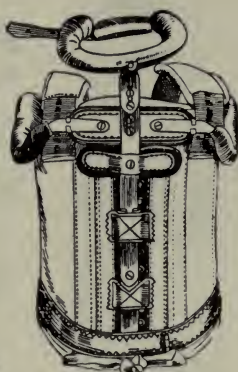
1. Style of brace wanted.
2. Patient's name (or sex.)
3. Patient's age.
4. Patient's weight (estimated).
5. Distance from sacro lumbar articulation to vertebra prominens, inches.
6. Distance from sacro lumbar articulation to first vertebra involved, inches.
7. Distance from sacro lumbar articulation to last vertebra involved, inches.
8. Distance from crest of ilium to axilla, right side, inches.
9. Distance from crest of ilium to axilla, left side, inches.
10. Distance from the center of one scapula to the center of the other, inches.
11. Horizontal (transverse) diameter of the protuberance, inches.
12. Circumference of chest under axilla, inches.
13. Circumference of pelvis one inch below the iliac crests, inches.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

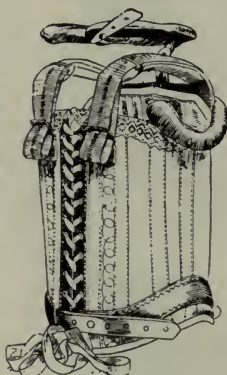
Orthopedic Apparatus



H-360



H-365



H-365



H-370

BRACES FOR POSTERIOR CURVATURES.

H-360 TAYLOR'S BRACE FOR POSTERIOR CURVATURE, with attachment for diseased cervical region. Price \$30.00 to.....\$50 00

This brace is of the same construction as H-355, with the addition of the chin piece as shown. This attachment can be adjusted in such a manner as to take the weight of the head from the diseased vertebrae.

H-365 MUELLER'S CORSET BRACE, FOR POSTERIOR CURVATURE, with attachment for diseased cervical region. Price \$30.00 to.....\$50 00

This is without doubt the most practical brace for this trouble that is made. It consists of a well padded pelvic band, curving over the crest of the ilium to obtain the best bearing surface with the most comfort, a spinal upright to which is attached a pad pressing on each side of the vertebrae prominens, a pad crossing the scapulae, to which it attached arm crutches, well padded and fitted with shoulder straps as shown. A corset fitting the body closely is worn on the inside of the apparatus. A head piece well padded is attached as shown.

DIRECTIONS FOR MEASUREMENTS.

1. Sex of patient.
2. General appearance of patient.
3. Lay a soft piece of lead-wire along the back, moulding it exactly to the spine, from the seventh cervical vertebra to the middle of the sacrum. With this pattern trace carefully the shape of the spine on a sheet of paper, marking the points opposite the upper and lower borders of the scapula and the crest of the ilium.
4. Circumference of body between crest of ilium and trochanter major.
5. Circumference of body at waist.
6. Circumference of body at axillae.
7. Distance between the upper borders of the scapulae.
8. Distance between the lower borders of the scapulae.
9. Distance, if any, from top of brace to vertebra prominens.
10. Distance from same point to base of skull.
11. Circumference of head and chin.
12. Lateral diameter of head close under ears.
13. Antero-posterior diameter from chin to back of neck.
14. Take a piece of bar lead and get outline of back and neck, and show same on paper.

H-370 SAYRE'S JURY MAST, for incorporation in a plaster jacket. Price.....\$12 00

This consists of two pieces of malleable iron, bent to fit the curve of the back. To the lower portion are attached three or more roughened tin strips, long enough to go nearly around the body. From two cross pieces of the upper extremity springs a central shaft, carried in a curve over the head and capable of being elongated at will. To this is attached at its upper extremity a swivel cross bar with hooks, from which depend straps supporting a head and chin collar.

DIRECTIONS FOR MEASUREMENTS.

1. Bend a flexible strip of lead to the contour of the back, commencing at the top of the head, and carefully carry it along to the sacrum; carefully remove and trace on paper, marking the position of the scapulae, iliac crests and point of disease.
2. Give circumference top of head, around chin.
3. Circumference around cranium.
4. Circumference of pelvis, one inch below iliac crests.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Orthopedic Apparatus



H-375



H-385



H-390



H-380

TORTICOLLIS AND SUSPENSION APPARATUS.

H-375 MARKOE'S APPARATUS FOR TORTICOLLIS. Price, \$35.00 to\$45 00

"This apparatus is constructed in the following manner: An upright steel bar is fastened to a pelvic band, and carried along the spine to a little below the level of the shoulders, secured in position by straps passing forward over the shoulders, backward under the axillae, and fastened to buttons or pads situated over the scapulae.

"A steel lever for extension of the neck is provided inferiorly with a slot, to admit of adjustment, and connected with the upright bar by means of two screws; the top of this lever is made to form a powerful clamp, for the purpose of holding the head-band and of securing the head in position. The head-band is formed of a steel-spring, carried half around the back of the head, softly padded, the covering extended to the front and buckled there. A strap may also be passed across the top of the head from ear to ear.

"A bandage, the size and shape of the patient's chin, is buttoned to this head-band laterally with four straps. Fastened to the steel spring of the head-band is a steel stem about one inch or less in length, terminating in a ball; this is held within the grasp of a clamp, thus forming a universal joint, moving freely in all directions. By turning the thumb-screw with which the clamp is provided, the movement of the joint is arrested and the head of the patient may thus be fixed in any position."

MEASUREMENTS REQUIRED.

1. Patient's name (or sex).
2. Patient's age.
3. Patient's weight.
4. Circumference of body under axilla, inches.
5. Distance from sacro-lumbar articulation of the spine to the vertebra prominens, inches.
6. Distance from the same point to the base of the skull, inches.
7. Distance from crest of ilium to axilla, each side, inches.
8. Circumference of the head at the base of the skull over the ears and upper line of the forehead, inches.

H-380 ROBERT'S APPARATUS FOR TORTICOLLIS. Price.....\$25 00

This apparatus is designed to secure, at the seat of disease, continuous elastic vertebral extension and voluntary articular motion, together with the avoidance of inter articular pressure and friction. It consists essentially of two encasements, an upper or cervico cephalic and a lower or cervico-thrunkal segment. The upper one has a clasp under the chin, which can be opened or closed by means of a key, thus permitting of easy removal or reapplication. The lower one is provided with a hinge posteriorly and a clasp anteriorly. The surfaces pressed upon by these two enveloping segments serve as points for counter pressure. Elastic linear extension of the cervical spine is effected by means of two strong spiral springs playing upon upright steel rods, which are placed on either side of the neck.

MEASUREMENTS REQUIRED.

The apparatus requires careful adjustment. This necessitates the patient's presence at our establishment to insure a perfect fit.

- ***H-385 SAYRE'S SUSPENSION APPARATUS**, plain pulleys. Aluminum bronze finish. Price.....\$ 9 00
- H-387 SAYRE'S SUSPENSION APPARATUS**, compound pulleys..... 12 00
- H-388 SAYRE'S SUSPENSION APPARATUS**, nickel plated trimmings..... 10 50
- H-389 SAYRE'S TRIPOD**, jointed 12 50

MEASUREMENTS REQUIRED.

1. Sex of patient.
2. Weight.
3. Height.
4. Circumference of head around the chin and back of neck. In taking this measurement care should be exercised that the tape encircles these parts in an even horizontal line.

H-390 SAYRE'S GYMNASMIC APPARATUS, with tripod. Price.....\$18 00

Canvas bag for carrying same..... 4 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Fractures of the Hip, Thigh, Patella, Leg, Ankle, 'Cases of Non-Union, Dislocations, Sprains, Knee or Hip-Joint Disease, Treated with the patented

AMBULATORY PNEUMATIC SPLINT

Result in Bone Union Without Shortening or Deformity.

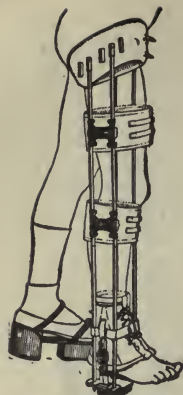
Recommended and Used by Best Surgeons Everywhere.

Every Up-to-date Physician and Surgeon should have one of these splints on hand for emergency cases, or recommend it to his patients in need of this modern splint. They would gladly pay for its purchase or rental if they but knew of its many advantages in the treatment of their case. To apply patient is not put to sleep or pain caused. It does away with a fracture box, improvised splints, weights, pulleys, lying in one position in bed, and plaster casts.

It may be put on at time of injury and fracture reduced with it or it may be put on later, but in most cases the sooner the better. Its use prevents hypostatic congestion of lungs and heart by having head of patient's bed raised a foot or more. It permits of rolling patient onto splint side for bathing and rubbing of back and hips, to prevent bed sores, and when ready to get patient out of bed, the splint is a safe, comfortable walking support for the limb, thereby increasing general strength and health of patient, while union is taking place.

The adjustment of the splint is simple and easily made for right or left limb of male or female patient for all of the various purposes for which the splint is used and when supplied with measurements, we send it fitted, ready to apply with all parts tagged with printed directions and booklet of application notes, guaranteed to be satisfactory to you in every respect.

It is employed with great success in all cases where Extension, Counter-Extension and Immobilization are required, while the patient is lying in bed, standing or walking about.



Ambulatory Pneumatic Splint

Adjustable to right or left limb, showing application of splint without posterior padded cloth-board support or adhesive strap extension. Complete with necessary parts for Ankle, Leg, Patella Fracture or Knee Joint Disease.

(Price \$40.00)

It is an open dressing permitting of Frequent Inspection, Bathing, Dressings to injuries of soft tissues, Ventilation, Massage and Early Painless Use of the Limb with Perfect Safety.

It is easily applied without pain and allows the patient to move around in bed, sit up or walk about at once, gradually prolonging the period of activity each day until recovery is complete.

It reduces the reduction of fractures and dislocations to a comparatively easy, safe, accurate and reliable setting, retaining the fractured bones in their proper position.

It permits the application (if desired) of supporting posterior, lateral, or anterior padded clothboard apposition splint for Hip, Thigh or Leg Fracture. A full set of which are furnished with each splint, also leather buckling straps for adhesive strap extension in connection with the pneumatic cushion extension and counter extension on and between the bony prominences of the ankle and foot and tuberosity of the ischium.

It is far superior to any other form of appliance or method of dressing, as with it patients are the most comfortable, able to walk about, eat and sleep better, are strong and convalesce with "no ill after effects" in the most rapid manner possible—thereby shortening the period of disability from business or work in no case less than one-third and in many cases one-half of the time that would be required without the use of this splint.

It carries out all of the surgical and mechanical principles: Extension and Counter-Extension on and between bony prominences, both above and below the injury; Immobilization; Maintenance of a Free Circulation; Gradual Daily Extension until subsidence of inflammatory exudate is complete and satisfactory continuity has been secured; Inspection; Judicious Exercise; Dressings as Indicated; Traction—Lateral; Anterior and Posterior, as required for perfect approximation. Massage; Ventilation; Bathing; Etc.

It prevents shortening, deformity, non-union of bone, malpractice suits and pays for itself by increasing any doctor's practice and reputation for best results.

It is made and finished in a first-class manner of the very best quality of cold hard drawn, light seamless brass tubes (non-rustable) with adjustable extension screws and cushions of durable webbing covered with flannel containing pure gum rubber pneumatic cushions with adjustable air valves.

It is made in two sizes—adult's and child's. It may be applied to either limb and adjusted to patients of various sizes. It will give perfect satisfaction to patient and surgeon; will wear for years and being washable may be applied in a clean condition any number of times for the various purposes for which it is used.

PRICES.

Ambulatory Pneumatic Splint with Shoe, Key, Pump, Full Set Supplementary Supports and Leather Buckling Straps for Extension.....	\$40 00
Adjustable Hip Joint Immobilizing Attachment, with Padded Belts.....	10 00
Compound Key for Adjusting all Extension Screws at One Time (not illustrated)	5 00
Fibre Carrying Case with Leather Handle (not illustrated).....	5 00

RENTAL OF CLEAN SECOND HAND SPLINT.

Rental charge for a period of two months or less is.....\$25 00

In Ordering, please state: Splint to be adjusted for right or left limb? Shoe for male or female? Distance from sole of foot to perineum? Circumference of thigh at perineum? If for Femur or Hip Fracture or case of Hip-Joint Disease? State also Circumference of hips? Of Chest? Distance from sole of foot to axilla? Express to whom? Purchase or rental order? Name and address of physician and surgeon?

AMBULATORY PNEUMATIC SPLINT MFG. CO.,

Prices NET excepting 15 per cent discount for Cash with Order or C. O. D. on Purchase Orders. ON RENTAL ORDERS. On return of splint to us at end of rental period express charges prepaid. We refund a discount of 20 per cent or \$5.00 on each rental.



Ambulatory Pneumatic Splint

Adjustable to right or left limb Showing girl patient in Street Costume.



Ambulatory Pneumatic Splint

Adjustable to right or left limb. Showing application of splint with Hip-Joint, Immobilizing Attachment and Padded Belts, with Posterior Padded Cloth-Board Support and Leather Buckling Extension Straps for Fracture of the Femur, Hip or Hip-Joint Disease.

Price \$50.00

Apparatus for Fractures and Dislocations

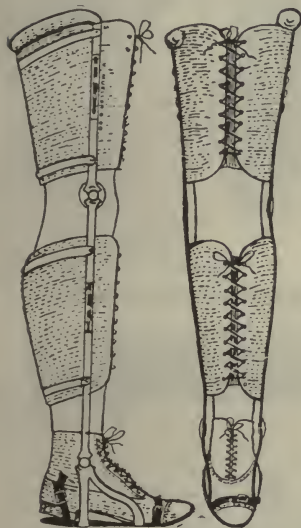
H-400 THE WIENER-MUELLER SPLINT NO. 1.

Price of Apparatus for use in ununited fracture, \$25.00 to\$35 00
 Price of Apparatus for use in tubercular cases, including cork extension shoe for well leg, \$35.00 to..... 45 00

This apparatus is designed for treatment of tubercular knee or ankle joint, also in cases of ununited fractures. It consists of a strong steel frame reaching from the tubercle to the floor, about 1½ inches below the sole of the foot. The perineal or top ring is well padded and the entire weight is transferred from this point to the floor. Wide, padded leather bands above and below the knee are fitted snugly to the limb to hold the brace in position. Extension is obtained by means of straps fastened to the steel sole of the brace; this sole in connection with the perineal band, bearing the entire weight of the patient, and permitting him to walk without danger of disturbing the diseased limb. A cork extension shoe, having an elevation of 1½ inches, is worn on well foot in order to raise it to the length of the brace.

When used in cases of ununited fractures the brace is fastened direct to shoe, the cork extension and steel sole not being necessary. In order to obtain the best results we require a plaster cast of the limb, together with measurements indicated below.

1. Age, sex, weight, and general condition of patient.
2. Length from sole of foot to ankle joint, inner side of leg.
3. Length from sole of foot to knee joint, inner side of leg.
4. Length from sole of foot to perineum, inner side of leg.
5. Length from sole of foot to trochanter major, outer side of leg.
6. Circumference of ankle joint.
7. Circumference above ankle joint.
8. Circumference largest swelling of calf.
9. Circumference garter (below the knee).
10. Circumference above knee (lower third).
11. Circumference of thigh (middle third).
12. Circumference of thigh at perineum.



H-400

*H-410 STROHMEYER'S APPARATUS FOR ANCHYLOSIS OF THE ELBOW JOINT. Price, \$18.00 to.....\$22 50

This apparatus is for the gradual extension of contracted muscles. By persistent and daily passive and active exercise, a flexible and useful joint may be restored. It may also be used for forcible breaking up of false ankylosis, if the surgeon prefers this to gradual extension. It forms also a safeguard against malposition, for should it be deemed impossible to effect a cure, the arm may be fixed in such a position to ankylose as shall give it the greatest usefulness.

DIRECTIONS FOR MEASUREMENT.

1. Strohmeier's Elbow Splint.
2. Right or left arm?
3. Length from wrist to elbow joint (N to R).....Inches
4. Length from wrist to axilla (N to W).....Inches
5. Circumference of wrist (N).....Inches
6. Circumference of forearm (S).....Inches
7. Circumference of elbow joint (R).....Inches
8. Circumference of arm (Q).....Inches



H-415

H-415 STROHMEYER'S APPARATUS FOR ANCHYLOSIS OF THE KNEE JOINT. Price \$20.00 to\$30 00

This apparatus is for overcoming muscular contractions of the knee joint and for favoring the re-establishment of motion in cases of false ankylosis.

It consists of metal troughs, for the reception of the thigh and leg, united by two lateral shafts, provided with joint at the knee. A knee cap, adjusted to buttons on the lateral shafts with strong elastic straps, exerts pressure on the patella, whilst the instrument may be flexed and extended by means of a set screw.

By persistent and daily passive exercise a flexible and pliable joint may be restored without confining the patient to bed or room. The mechanism is powerful and may be moved swiftly, adapting it to the forcible breaking up of adhesion as well, should the surgeon prefer this to gradual extension.

DIRECTIONS FOR MEASUREMENTS.

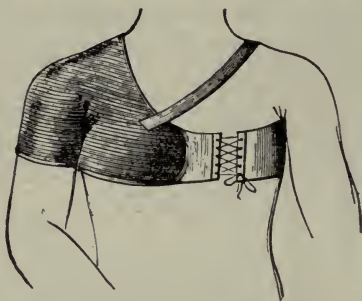
1. Circumference above knee, inches.
2. Circumference at knee, inches.
3. Circumference below knee, inches.
4. Circumference above ankle, inches.
5. Length from ankle to knee, inches.
6. Length from knee to upper third of thigh, inches.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Apparatus for Fractures and Dislocations



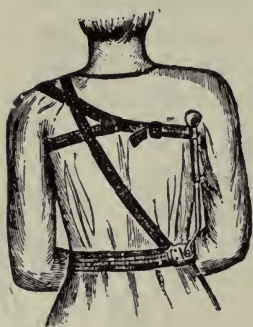
H-420



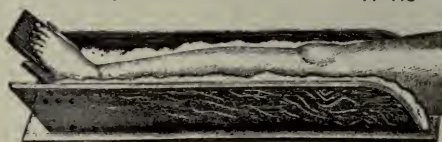
H-430



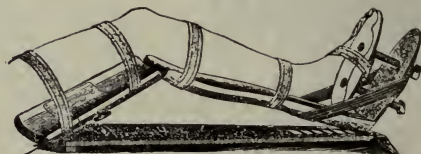
H-418



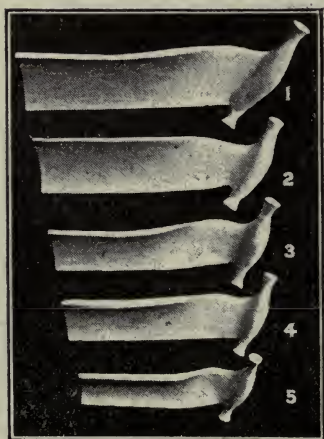
H-425



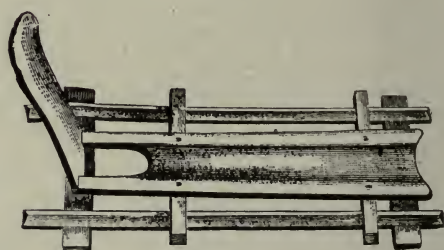
H-450



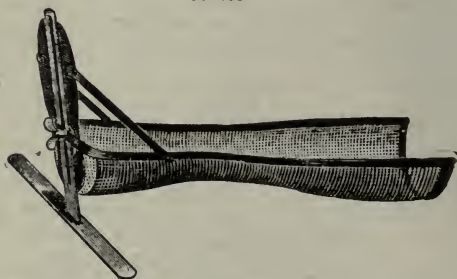
H-445



H-442



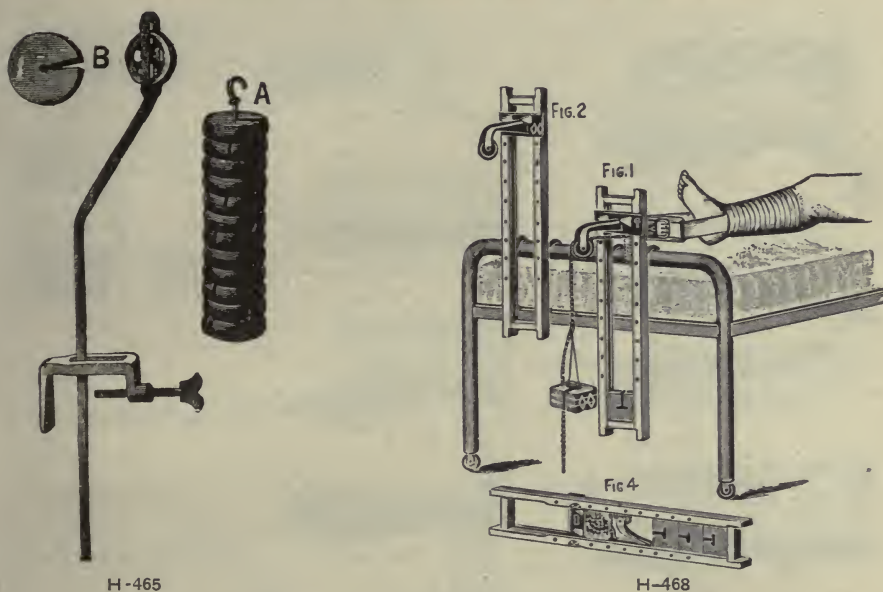
H-435



H-440

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Apparatus for Fractures and Dislocations



H-465

H-468

- H-418 MATAS' ADJUSTABLE METALLIC INTERDENTAL SPLINT, complete set \$12 00
For treatment of fracture of lower jaw; set comprises adult, youth and child's mouth pieces or dental plates, and two sizes of chin pieces.
- H-420 HAMILTON-COLLIN'S APPARATUS, for fracture of the inferior maxillary. Price \$6 00

MEASUREMENTS REQUIRED.

A—Circumference of head. B—Circumference around chin and top of head. C—Distance from center of base of skull to center of forehead. D—Circumference at base of skull and around chin.

H-425 CURTIS' CLAVICLE APPARATUS, 2 sizes, child's and adults'. Price.... \$8 00
This appliance consists of a crutch-head mounted on a round extension bar of steel, controlled by a set screw, which renders it applicable to either side. The lower end of the extension bar is attached to the waistband by a pivot-joint, and the proper elevation of the injured shoulder is maintained by a suspensory strap passing over the opposite shoulder.

The appliance is made in two sizes. In ordering, specify if wanted for child or adult.

H-430 ELASTIC SHOULDER PIECE, for preventing dislocation of shoulder joint..\$8 00

This apparatus is to be worn after reduction of a dislocated humerus, to guard against a recurrence, and also for the purpose of relieving permanent dislocation arising from a laxy of the ligaments, or from paralysis of the deltoid and scapular muscles. It is made of silk elastic, with a suitable shoulder-cap.

Directions for measurement: 1. Patient's weight (estimated). 2. Right or left shoulder. 3. Circumference of the arm. 4. Circumference axilla to acromion. 5. Circumference of chest under axilla.

H-435 VOLKMAN'S SLIDING REST, small, \$3.75; medium, \$4.25; large..... \$4 75

H-440 VOLKMAN'S T SPLINT. Price \$5.50 to..... 6 50

Made of wire gauze with bound edges, sheet steel foot plate with set screw, adjustable on the vertical upright of the T, which is slotted to accommodate it.

H-442 WALKER'S SET OF NATURAL FORM-FITTING FOREARM SPLINTS.

5 sizes, rights and lefts. Each, \$1.00; per set of ten..... 7 50

H-445 DOUBLE INCLINED PLANE, Pratt's, 3 sizes, \$4.50, \$5.00 and..... 5 50

H-450 FRACTURE BOX, wood, 3 sizes.....each 3 50

*H-455 HODGEN'S SUSPENSION SPLINT, wire, plain, \$3.00 to..... 5 00

*H-460 HODGEN'S SUSPENSION SPLINT, with extension foot piece, telescopic, adjustable to any length or width. Price..... 15 00

H-465 LEVIS' EXTENSION APPARATUS. Complete with weights..... 5 00

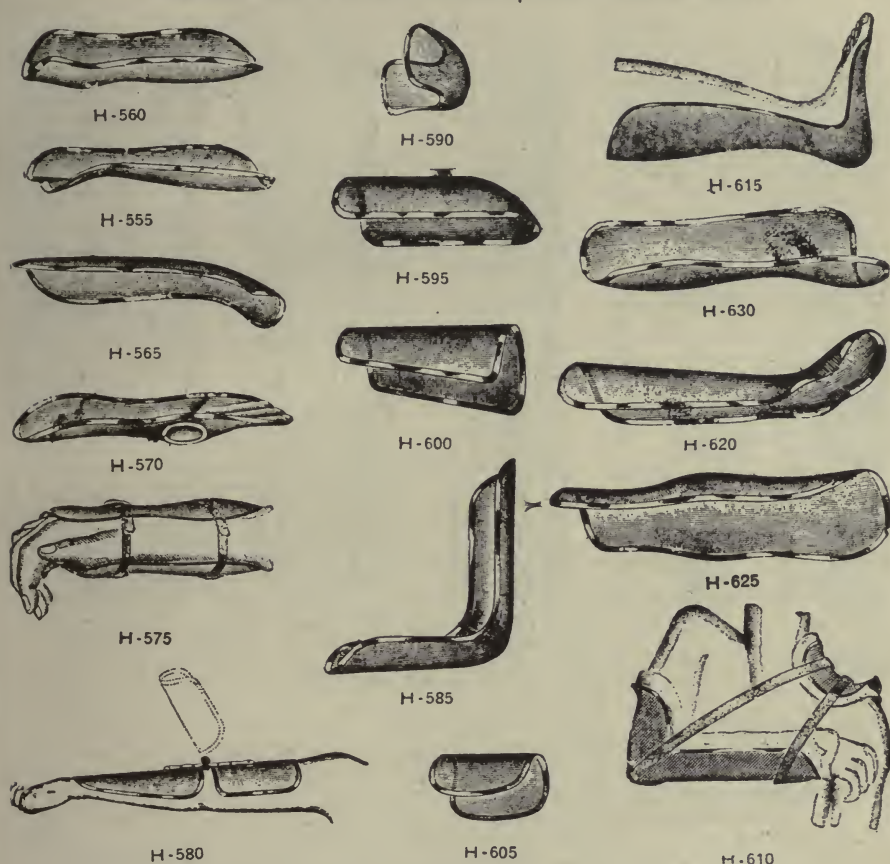
The amount of weight extension is simply effected by a series of one-pound weights suspended upon a rod bent into the form of a hook at the top, for catching in a loop in the extending cord.

H-468 THE "GORHAM" COMPLETE EXTENSION APPARATUS..... \$6 50

The best apparatus for extension, and extension with flexed thigh. It is easily applied, consists of an oak frame, a sliding plate, spreader for adhesive strips and set of weights. Descriptive Circular mailed upon request.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Apparatus for Fractures and Dislocations

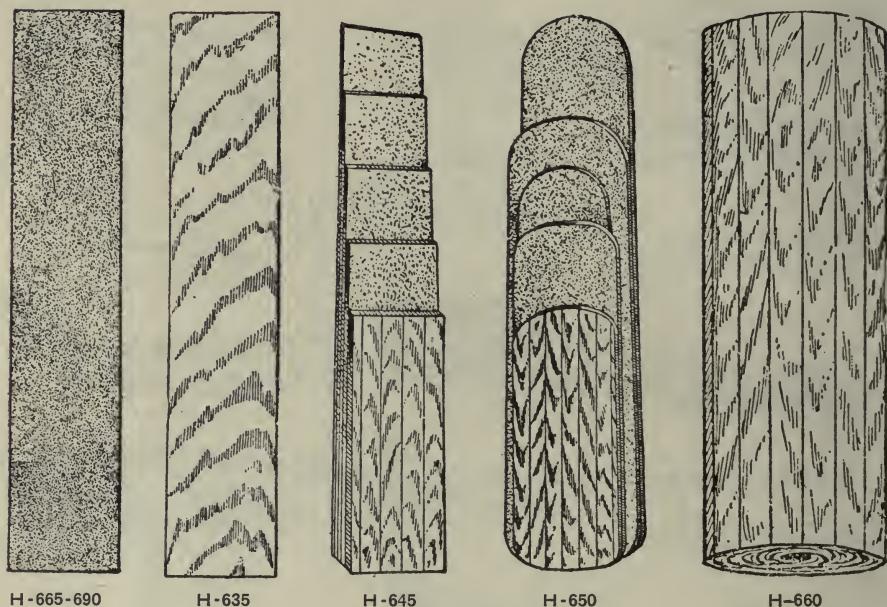


DE PUY'S ADJUSTABLE WIRE SPLINTS.

H-555	Radius Splint, 3 sizes, rights and lefts, infants', .25; children's, .75; adults'	\$1 00
H-560	Ulna Splint, 2 sizes, rights and lefts, children's, .75; adults'	1 00
H-565	Fore Arm Splint, superior, 2 sizes, rights and lefts, children's, .75; adults'	1 00
H-570	Fore Arm and Hand Splint, 2 sizes, rights and lefts, children's, .75; adults'	1 00
H-575	Colles Fracture, 2 sizes, rights and lefts.....per set	2 00
H-580	Elbow Splint, hinged, 2 sizes, children's, \$1.25; adults'.....	1 50
H-585	Elbow Splint, Posterior, 3 sizes, infants', .50; children's, .75; adults'.....	1 00
H-590	Maxilla Splint, 2 sizes, infants', .15; adults'.....	50
H-595	Shoulder Cap, 3 sizes, infants', .25; children's, .50; adults'.....	75
H-600	Femur Splint, 3 sizes, infants', .25; children's, .50; adults'.....	75
H-605	Humerus Splint, 3 sizes, infants', .15; children's, .35; adults'.....	50
H-610	Clavicle Splint, Hawes', 2 sizes, small, \$1.50; large	2 00
H-615	Tibia and Fibula Splint, Posterior, 3 sizes, infants', .50; children's, .75; adults'	1 00
H-620	Tibia and Fibula Splint, Anterior, 3 sizes, infants', .50; children's, .75; adults'	1 00
H-625	Patella Splint, Anterior, 2 sizes, children's, .75; adults'.....	1 00
H-630	Patella Splint, Posterior, 2 sizes, children's, .75; adults'.....	1 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Apparatus for Fractures and Dislocations



SPLINTS AND SPLINT MATERIAL.

H-635 Coaptation Splints, plain, per dozen splints.....\$0 60

These splints are made of thin, firm bass-wood, $\frac{1}{8}$ inch thick, 18 inches long and $3\frac{1}{2}$ inches wide. They are easily cut with a knife or scissors.

*H-640 Coaptation Splints, plain, extra heavy, double the thickness of H-635, per dozen splints.....\$0 75

H-645 Dressing Splints, kid lined, per set of 5 pieces.....0 80

Consist of a set of five sizes. They will be found useful where a firm and strong splint is required. They are lined with kid; are 2 inches wide; length smallest, $5\frac{1}{2}$ inches; longest, $11\frac{1}{2}$ inches, and are split lengthways at intervals of $\frac{1}{2}$ an inch.

H-650 Coaptation Splints, kid lined, per set of 5 pieces.....1 25

These are similar to splints Fig. H-645, and can be used in the same way. They have round ends and graduate in width from large end to small. Length longest, 15 in.; shortest, 7 in.

*H-655 Coaptation Splints, flannel lined. Price per doz. splints.....\$0 85

These splints are of the same size and shape as Fig. H-645, but are lined with canton flannel, giving them a smooth, soft surface.

H-660 Split Roller Splints, 3"x5', 0.45; 5"x5', 0.75; 8"x5'.....\$0 90

These are made of thin, firm wood, lined with canton flannel. They combine the firmness and strength of the ordinary splint with the pliability of a bandage.

The No. refers to thickness.

*H-662 Splint Material, Russian Surgical Felt, per sq. ft., \$0.60; per sq. yd.....\$5 00

H-665 Yucca Wood Splints, No. 1, $\frac{1}{8}$ " thick, 16x18", per sheet.....40

H-670 Yucca Wood Splints, No. 2, $\frac{1}{8}$ " thick, 16x18", per sheet.....35

H-675 Yucca Wood Splints, No. 3, 1-12" thick, 16x18", per sheet.....25

H-680 Yucca Wood Splints, No. 1, $\frac{1}{8}$ " thick, 6x30", per sheet.....25

H-685 Yucca Wood Splints, No. 1, $\frac{1}{8}$ " thick, $3\frac{1}{2}$ x18", per dozen.....75

H-690 Yucca Wood Splints, No. 2, $\frac{1}{8}$ " thick, $3\frac{1}{2}$ x18", per dozen.....60

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Crutches



CRUTCHES, CRUTCH BOTTOMS, ETC.

H-695	Elastic Top Crutch, rock maple, arm rests of best Russia goat, Whittmore ferrules, full nickel trimmings, per pair.....	\$7 00
H-700	Elastic Top Crutch, rosewood, arm rests of best Russia goat, Whittmore ferrules, full nickel trimmings, per pair.....	9 00
H-705	Crutches, rock maple, with black cherry hand rest, padded leather covered arm piece, full nickel trimmings, socket H-720, and rubber bottom H-740, per pair	3 50
H-710	Crutches, plain split, rock maple, with cherry wood arm piece and hand rest, no ferrule, per pair.....	1 25
H-715	Crutches, plain split, same as H-710, but with rubber bottoms H-745, per pair	1 50
H-720	Ferrule, brass, nickel plated, to fit crutch bottom H-740, each.....	75
H-725	Ferrule with hinged socket, brass, nickel plated, to fit crutch bottoms, H-735, each	1 25
H-730	Socket, hinged, Whittmore Pattern, 3 sizes, each.....	75
H-735	Crutch, Rubber, Cloth Insertion, Whittmore's, 3 sizes, per pair, .25, .35.....	50
H-740	Crutch Rubbers, Cloth Insertion, 3 sizes, per pair, .25, .50.....	75
H-745	Crutch Rubbers, Cloth Insertion, to slip on, 5 sizes, per pair, .25 to.....	50
H-750	Crutch Rubbers, Chair Tips, with nail, per pair.....	15

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Sundry Apparatus



H-2005-2010

Devices

The two devices illustrated will be found peculiarly adapted to the uses for which they were designed. They are practical, will give results, are light, well ventilated, easily applied and very comfortable.



H-2000

- H-2000 Haslam's Apparatus, to correct and prevent projecting ears..... \$1 50
 Made in three sizes: No. 1, small; No. 2, medium; No. 3, large.
 H-2005 French's Device, to prevent mouth breathing during sleep, No. 1, adults.. 1 00
 H-2010 French's Device, to prevent mouth breathing during sleep, No. 2, childs.. 1 00

Elastic Hosiery

The Rompler SEAMLESS Stocking

Possesses all the advantages of the old kind, but is woven absolutely without seam and so does not chafe the heel or cause uneven pressure at the joints.

There is no binding to ravel or wear out.

They will not tear while pulling on, and will outwear any other stocking made.

A perfect support for varicose veins or weak joints, giving an even pressure without constriction at any point.

Made in all lengths of the best quality of silk or linen, and in any color.

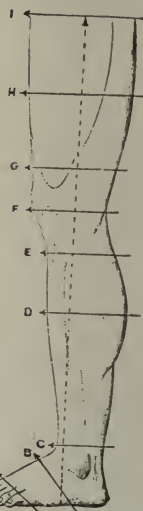
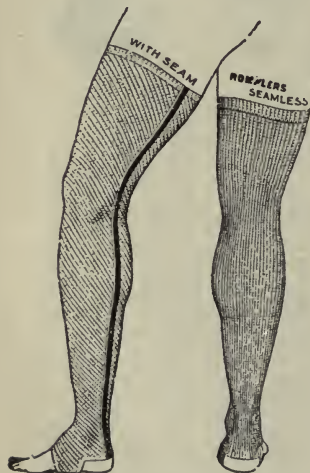
The only stocking that can be worn with comfort.

Observe lines on diagram when measuring for stocking.

We manufacture the following parts:

Garter, Knee and Thigh Stockings, Garter, Knee and Thigh Leggings, Thigh Pieces, Knee Caps, Knee Thigh Pieces, Anklets, Wristlets.

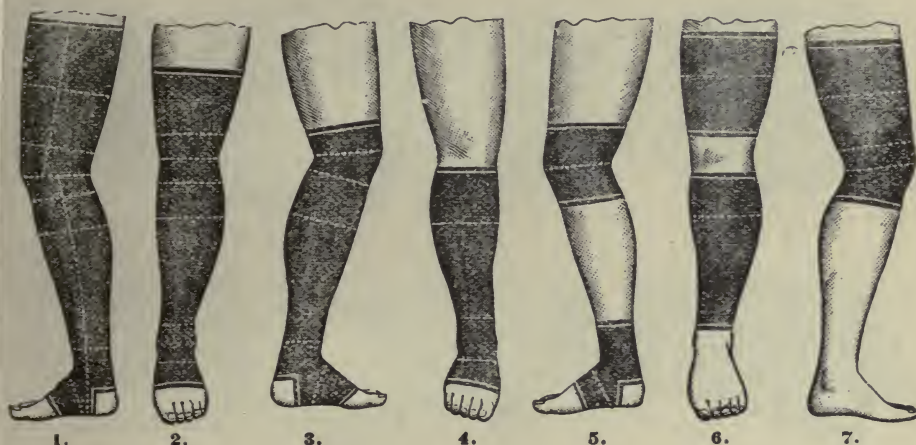
Made only to order.



		Linen.	Fine Silk.	Heavy Silk.
H-755	Anklets, A to C.....	\$2 50	\$3 00	\$2 75
H-760	Garter Legging, C to E.....	2 75	3 50	3 00
H-765	Garter Stocking, A to E.....	4 00	5 00	4 50
H-770	Half Thigh Legging, C to H.....	5 25	7 00	6 00
H-775	Half Thigh Stocking, A to H.....	6 50	8 75	7 75
H-780	Knee Cap, E to G.....	2 50	3 50	3 00
H-785	Thigh Knee Cap, E to I.....	6 00	7 50	6 50
H-790	Thigh Legging, C to I.....	7 00	9 25	8 25
H-795	Thigh Piece, G to I.....	3 50	4 50	4 00
H-800	Thigh Stocking, A to I.....	8 75	11 00	10 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Elastic Hosiery



NOTE.

Elastic goods made to order cannot be exchanged or returned for credit, although slight alterations may be made.

We guarantee that the workmanship and materials are the best available.

For measurements take exact circumference in inches at points indicated by letters. We allow for compression. Measurements should be taken in the morning before the limb has swollen.

Length measures must be taken on the inside of limb.

Do not give the measurements of the well limb expecting the piece to fit the affected part.

While the value of Surgical Hosiery depends largely on the quality and freshness of the rubber, accuracy of fit is of the highest importance; care should therefore be taken to follow explicitly our directions for measurement. Send for measurement blanks.

		Thread.		Silk.		Heavy
						Silk.
H-805	Anklet	Price Fig. 5	\$2 00	\$2 25	\$2 50	
H-810	Garter Legging.....	Price Fig. 6	2 00	2 50	3 00	
H-815	Garter Stocking.....	Price Fig. 4	2 25	3 50	4 00	
H-820	Knee Cap.....	Price Fig. 5	2 00	2 25	2 50	
H-825	Knee Stocking, long.....	Price Fig. 2	5 00	6 00	6 75	
H-830	Knee Stocking, short.....	Price Fig. 3	4 50	5 50	6 25	
H-835	Thigh Knee Cap.....	Price Fig. 7	4 50	6 00	6 75	
H-840	Thigh Piece	Price Fig. 6	3 50	4 00	4 50	
H-845	Thigh Stocking.....	Price Fig. 1	6 50	8 00	9 00	



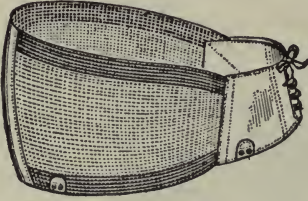
H-850	Arm Piece, Circumference at 4, 5, 6.....	Cotton, \$1 50	Silk, \$2 00
H-855	Wristlet, Circumference at 2, 3.....	Cotton, 1 00	Silk, 1 75
H-857	Wristlet Mitten, Circumference at 1, 2, 3.....	Cotton, 1 75	Silk, 2 00

MEASUREMENTS REQUIRED.

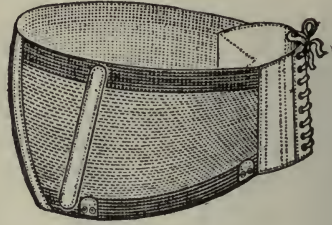
- No. 1. Thigh Stocking, Circumference at A, B, C, D, E, F, G, H, I, Length sole to F, Sole to I.
- No. 2. Long Knee Stocking, Circumference at A, B, C, D, E, F, G, H, Length sole to F, sole to H.
- No. 3. Short Knee Stocking, Circumference at A, B, C, D, E, F, G, Length sole to F, sole to G.
- No. 4. Garter Stocking, Circumference at A, B, C, D, E, Length sole to E.
- No. 5. Anklets, Circumference at A, B, C, Length sole to C.
- No. 5. Knee Cap, Circumference at E, F, G, Length E to G.
- No. 6. Thigh Piece, Circumference at G, H, I, Length G to I.
- No. 6. Garter Legging, Circumference at C, D, E, Length C to E.
- No. 7. Thigh Knee Cap, Circumference at E, F, G, H, I, Length E to F, E to I.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

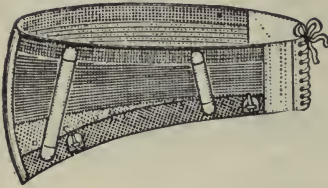
Abdominal Supporters



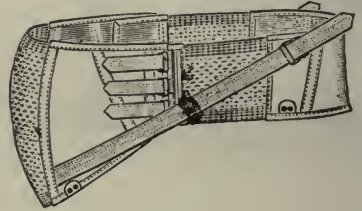
H-860-865



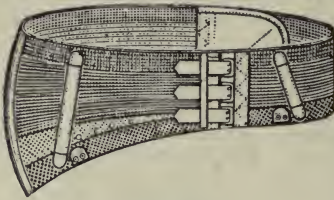
H-870-875



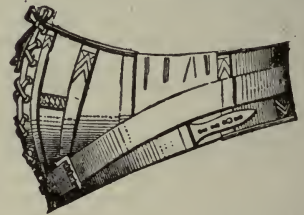
H-880-885



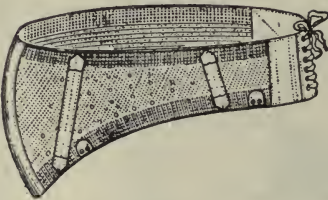
H-900



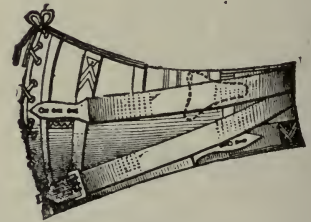
H-890-895



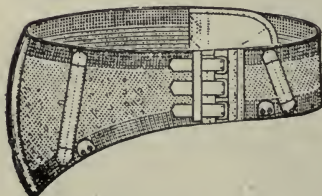
H-925



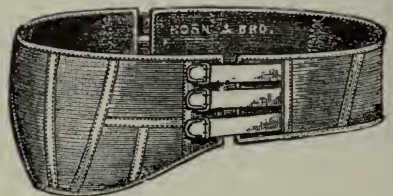
H-905-910



H-930



H-915-920



H-935

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Abdominal Supporters



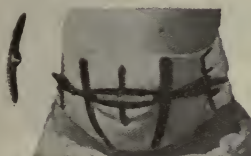
H-940



H-945



H-950



H-960



H-955



H-965

ABDOMINAL SUPPORTERS.

- H-860 Abdominal Supporter, light elastic, mercerized thread, 8-in., \$2.00; 10-in... \$2 50
 H-865 Abdominal Supporter, light elastic, silk thread, 8-in., \$3.50; 10-in..... 4 00
 H-870 Abdominal Supporter, light elastic, mercerized thread, 8-in., \$2.50; 10-in.... 3 00
 H-875 Abdominal Supporter, light elastic, silk thread, 8-in., \$4.00; 10-in..... 4 50

Supporters H-860 to H-875 are made of silk and thread covered elastic fabric, hand knit material, with strong edges. This belt is not fashioned, but on account of the softness and pliability of the material will readily conform to the abdomen.

- H-880 Abdominal Supporter, medium elastic, with stays, made to lace in back, thread, 8-in. to 10-in. wide..... 4 50
 H-885 Abdominal Supporter, medium elastic, with stays, made to lace in back, silk, 8-in. to 10-in. wide..... 6 00
 H-890 Abdominal Supporter, medium elastic, with stays, made to buckle at sides, thread, 8-in to 10-in. wide..... 4 50
 H-895 Abdominal Supporter, medium elastic, with stays, made to buckle at sides, silk, 8-in. to 10-in. wide..... 6 00

Supporters H-880 to H-895 are made of medium weight elastic material, hand knit, with single welts on edges; fashioned in knitting to conform to the shape of the abdomen; a soft, pliable, ventilated material.

- H-900 Abdominal Supporter, silk center, made to buckle at sides..... 3 50
 H-905 Abdominal Supporter, made to lace in back, thread..... 7 50
 H-910 Abdominal Supporter, made to lace in back, medium silk, \$9.00; heavy silk 10 00
 H-915 Abdominal Supporter, made to buckle at sides, thread..... 7 50
 H-920 Abdominal Supporter, made to buckle at sides, medium silk, \$9.00; heavy silk 10 00

Supporters H-905 to H-920 are made in thread and silk, of medium and heavy weights, entirely of elastic fabric similar to elastic hosiery, but generally of heavier material and with double welts at top and bottom to give firmer support. They are woven of elastic material that ventilates, giving comparative comfort in warm weather.

We consider these supporters the best we make, and recommend them wherever a patient can afford to pay for a first-class article. They are made to buckle at side or to lace in back as ordered.

- H-925 Abdominal Supporter, Teufel's System II..... 7 00
 H-930 Abdominal Supporter, Teufel's System VI, for floating kidney, with 1 pad, \$8.00; with 2 pads..... 9 00
 H-935 Abdominal Supporter, genuine moleskin, \$3.00; best quality..... 5 00

Adapted for obesity and postoperative work in men.

SPECIAL ABDOMINAL SUPPORTERS.

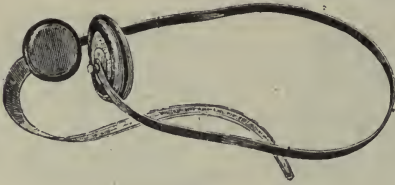
- H-940 Abdominal Supporter, elastic, with pad, for use after operation for appendicitis, thread, \$7.50 to \$12.00; silk, \$10.00 to..... 15 00
 H-945 Abdominal Supporter, elastic, with pad for floating kidney, thread, \$7.50 to \$12.00; silk, \$10.00 to..... 15 00
 H-950 Abdominal Supporter, elastic, with pad to support abdomen after operation, thread, \$1.50 to \$12.00; silk, \$10.00 to..... 15 00
 H-955 Abdominal Supporter, hard rubber covered spring, with hard rubber pad working on ball joints. Indicated where a firm upward pressure is desired. \$8.00 to..... 12 00
 H-960 Abdominal Supporter, elastic, with pad for umbilical hernia, thread, \$10.00 to \$15.00; silk, \$12.00 to..... 20 00
 H-965 Abdominal Supporter, elastic, combined with hard rubber bow umbilical truss, thread, \$10.00 to \$15.00; silk, \$12.00 to..... 20 00

MEASUREMENTS REQUIRED.

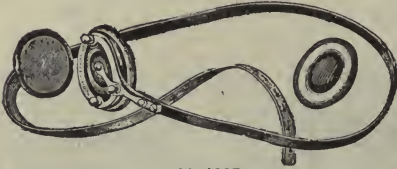
Circumference at K, L, M; length in front, K to M. See diagram page 463.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Trusses



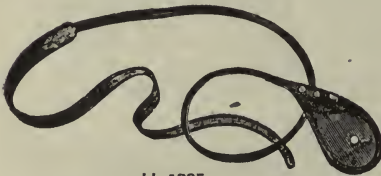
H-1045



H-1085



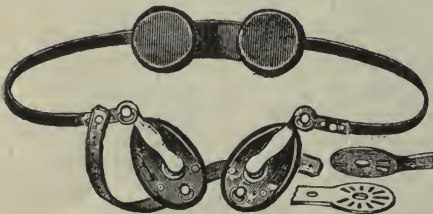
H-985



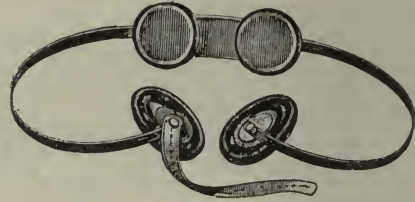
H-1005



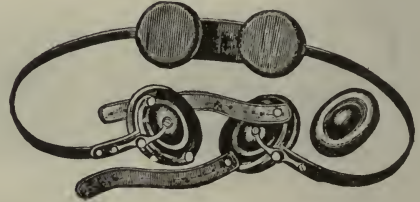
H-1025



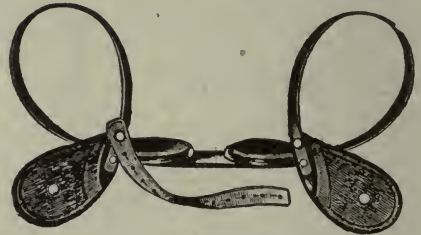
H-1030



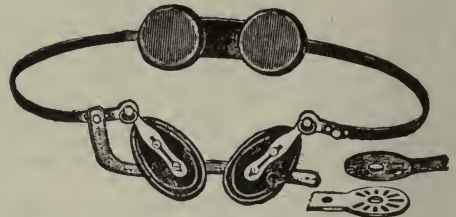
H-1050



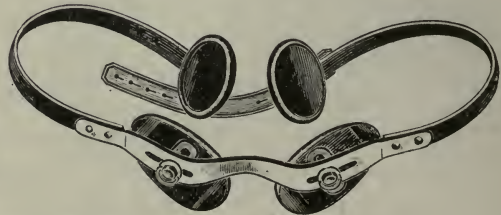
H-1090



H-1010



H-990

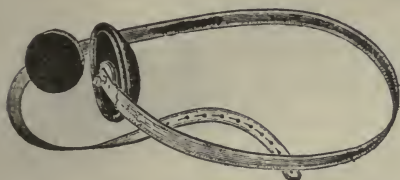


H-1105

For Price List See Page 497

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Trusses



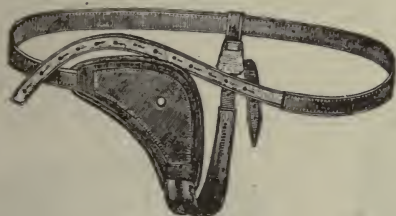
H-1035



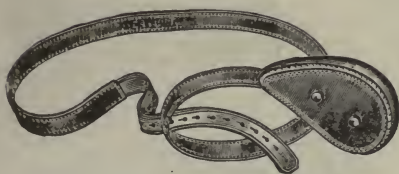
H-1015



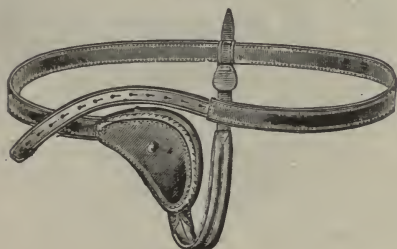
H-995



H-1055



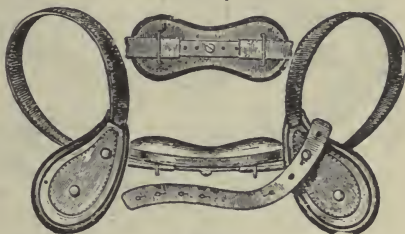
H-1075



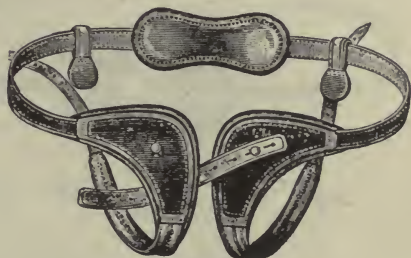
H-1065



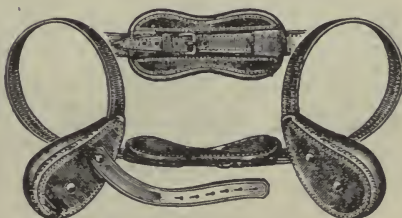
H-975



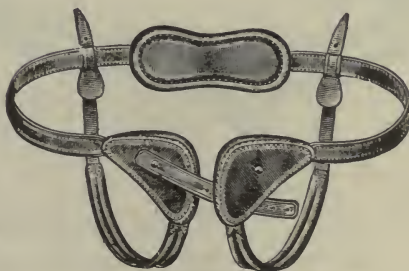
H-1000



H-1060



H-1080

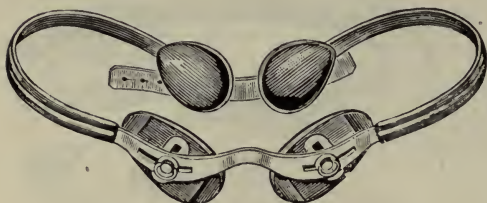


H-1070

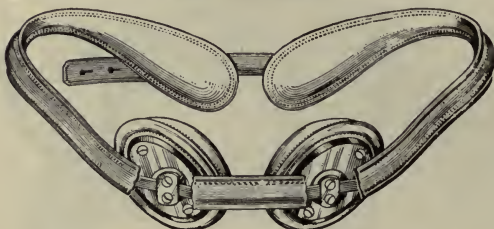
For Price List See Page 497.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

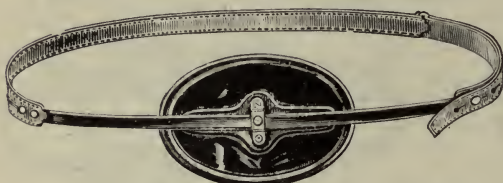
Trusses



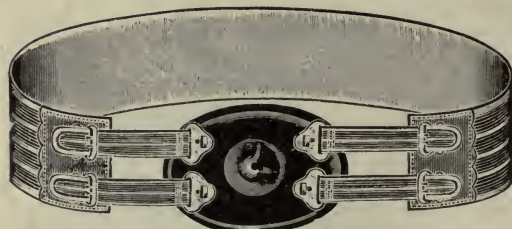
H-1100



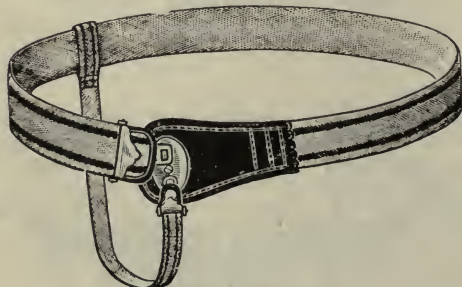
H-1095



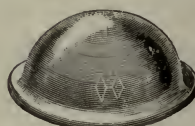
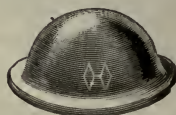
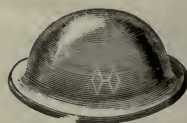
H-1145



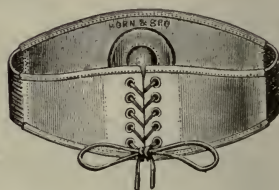
H-1140



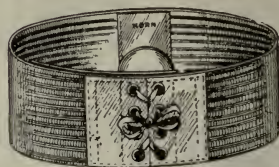
H-1110-1115



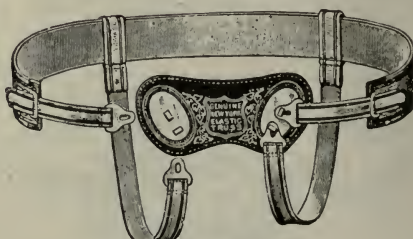
H-1160



H-1155



H-1150



H-1120-1125

For Price List See Page 497.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

A Carefully Fitted Spring Truss

will hold a Hernia with more comfort, is more secure under all conditions, and will effect a Radical Cure more quickly than an Elastic Truss; it will pay you to study the adjustment of Spring Trusses.

PRICE LIST OF TRUSSES.

	Adults.	Youths.	Childs.
H-975 Chase Improved, leather covered, single.....	\$2 00	\$1 50	.
*H-980 Chase Improved, leather covered, double.....	3 50	2 50	
H-985 Chase Improved, hard rubber covered, single	3 50	3 00	\$2 50
H-990 Chase Improved, hard rubber covered, double.....	6 00	5 00	4 00
H-995 French, fine, leather covered, single.....	3 00	2 50	2 00
H-1000 French, fine, leather covered, double.....	5 00	3 50	3 00
H-1005 French, hard rubber covered, single.....	3 50	3 00	2 50
H-1010 French, hard rubber covered, double.....	6 00	5 00	4 00
H-1015 Set Screw, improved, leather covered, single.....	3 50	3 00	
*H-1020 Set Screw, improved, leather covered, double.....	5 00	3 50	
H-1025 Set Screw, improved, hard rubber covered, single.....	4 00	3 50	
H-1030 Set Screw, improved, hard rubber covered, double.....	6 00	5 00	
H-1035 Cross Body, leather covered, single.....	3 50	3 00	2 50
H-1040 Cross Body, leather covered, double.....	5 00	4 00	3 50
H-1045 Cross Body, hard rubber covered, single.....	3 50	3 00	2 50
H-1050 Cross Body, hard rubber covered, double.....	6 00	5 00	4 00
H-1055 Scrotal, leather covered, single.....	5 00	4 00	3 00
H-1060 Scrotal, leather covered, double.....	8 00	6 00	5 00
H-1065 Rhenish, leather covered, single.....	6 00	4 50	
H-1070 Rhenish, leather covered, double.....	9 00	6 50	
H-1075 Cobourg, leather covered, single.....	5 00	3 50	
H-1080 Cobourg, leather covered, double.....	8 00	5 00	
H-1085 Radical Cure, hard rubber covered, single.....	7 50		
H-1090 Radical Cure, hard rubber covered, double.....	12 00		
H-1095 Sansom, Hood pattern, leather covered, softly padded	6 00		
H-1100 Hood's, leather covered, single or double.....	6 00	4 50	3 50
H-1105 Hood's, hard rubber covered, single or double.....	7 50	5 00	4 00
H-1110 Elastic, cedar or enameled pad, single.....	2 00	1 75	1 50
H-1115 Elastic, water or air pad, single.....	2 50	2 25	2 00
H-1120 Elastic, cedar or enameled pad, double.....	3 50	3 00	2 50
H-1125 Elastic, water or air pad, double.....	4 50	3 75	3 00

UMBILICAL TRUSSES.

*H-1135 Elastic, leather pad, adults	\$3 50
H-1140 Elastic, hard rubber pad, adults	5 00
H-1145 Bow, French pattern, hard rubber, adults	5 00
H-1150 Elastic, to lace, child's	1 25
H-1155 Elastic sides, sateen front and back, to lace, child's	1 25
H-1160 Umbilical Buttons, aluminum, 3 sizes (illustration shows full size), each...	35
*H-1165 Umbilical Pads, hard rubber, small, medium or large center pads.....	2 50

DIRECTIONS FOR ORDERING TRUSSES.

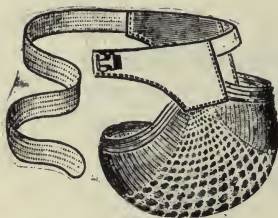
1. Circumference of body 2 inches below the iliac crest.
2. Right or left side, or both.
3. Complete or incomplete.
4. Large, medium or small rupture.
5. General condition of patient.
6. Style of truss wanted. (This can be left to us if you are in doubt. When the selection is left with us, we send what we think the case requires.)

TRUSSES FOR UMBILICAL HERNIA.

1. Circumference of body at umbilicus.
2. Large, medium or small rupture.
3. General condition of patient.
4. Style of truss wanted.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

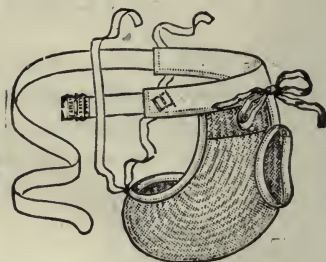
Suspenders



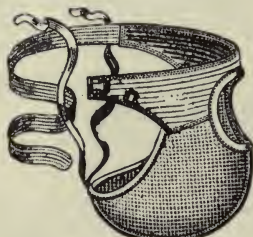
H-1175 to 1185



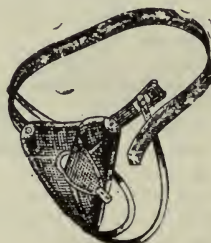
H-1190-1195



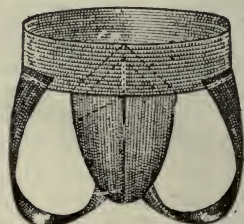
H-1200-1205



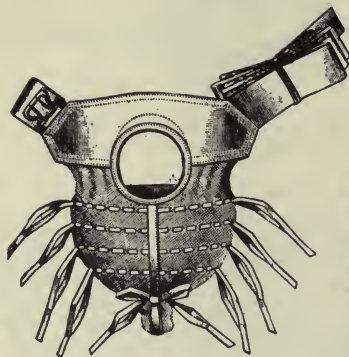
H-1210



H-1215



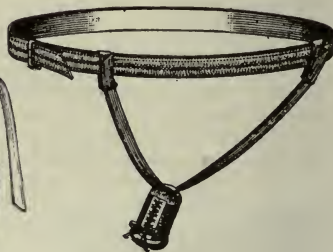
H-1220



H-1225



H-1230



H-1235

H-1175	Suspensory Bandage, cotton, open fancy stitch	\$0 25
H-1180	Suspensory Bandage, brown Egyptian thread, open stitch	35
H-1185	Suspensory Bandage, pink silk, fancy open stitch	50
H-1190	Suspensory, A. & N. style, cotton, open stitch, non-elastic understraps....	25
H-1195	Suspensory Bandage, Army and Navy, lisle thread, elastic understraps....	50
H-1200	Suspensory Bandage, Army and Navy, lisle silk, ribbed stitch, elastic belt and understraps	75
H-1205	Suspensory Bandage, Army and Navy, pink silk, ribbed stitch, extra quality elastic belt and straps, fancy trimmings	1 00
H-1210	Suspensory Bandage, extra large, for hydrocele, made of heavy corded linen, will hold fully one pint, non-elastic belt and straps.....	75
H-1215	Suspensory Bandage, Teufel's Sport, cotton, \$1.00; silk bound, \$1.75; all silk.	2 25
H-1220	Suspensory Bandage, Athletic Jock Strap, small, 22 to 28 in., \$1.00; medium, 30 to 38 in., \$1.00; large, 40 to 48 in., \$1.00; extra large, to fit any person with a waist measure larger than 48 in.....	1 25
Used to protect the male organs from injury when engaged in athletic work, and by the general public for comfort and ease at all times. They are all elastic and self adjusting, fit close to the body at all times, no matter what position the body may assume.		
H-1225	Suspensory Bandage, Millano's, for scrotal compression, thread.....	1 25
H-1230	Suspensory Bandage, Carroll's, orchitis, thread	1 00
H-1235	Suspensory Bandage, Carroll's, orchitis, with waist band for suspending inverted testicle	2 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Section "G"

Office Furniture

Hospital Furniture

Office Sterilizing Apparatus

Hospital Sterilizing Apparatus

Hospital Supplies

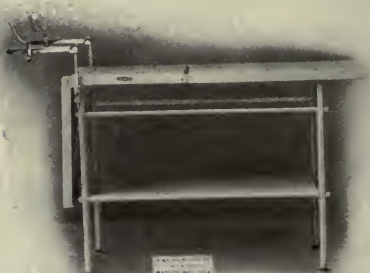
Surgical Rubber Goods

Sick Room Utensils

Invalid Rolling Chairs

Invalid Comforts

“White Line” Aseptic Office Equipment



Paragon Office Examining Table

A practical, low priced, well made table for office examinations and treatments, giving all necessary positions.

The mechanism is simple and effective, and positions are secured easily and quickly.

The construction is of metal throughout. The tubular frame is strong and rigid, and mounted on sliding furniture shoes. The top is covered with sheet steel.

The shelf below will be found a great convenience for the reception of basins, trays, etc., during diagnostic and treatment work.

The gynaecic stirrups are of steel, polished and nickel plated.

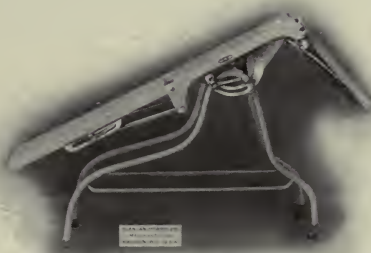
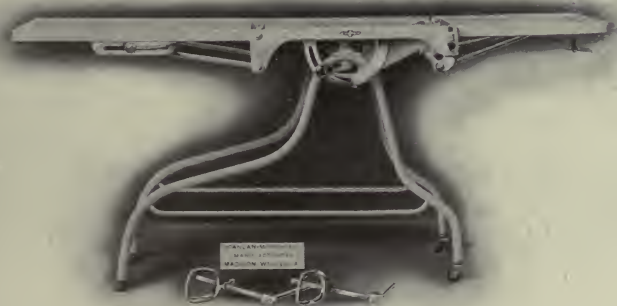
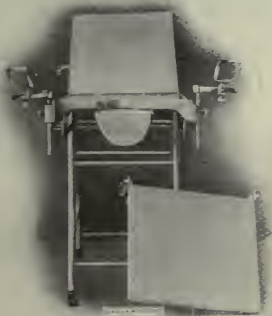
The finish is in the highest grade of enamel, hand rubbed and baked.

The construction is of the knock down type, to save excessive transportation charges.

G-2	The Paragon Table, No. 15, white enamel finish.....	\$27 50
G-4	The Paragon Table, No. 16, golden oak finish.....	27 50
G-6	The Paragon Table, No. 17, Mahogany finish.....	27 50
G-8	Water Proof Cushions, leatherette, Extra.....	5 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Office Equipment



"WHITE LINE" UNIVERSITY TABLE.

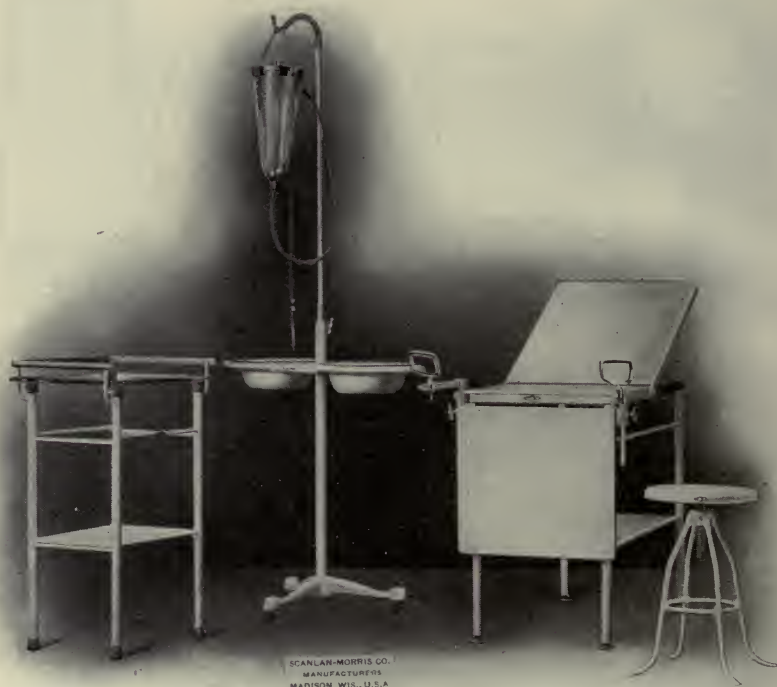
A table suitable for the office or operating room; a table at a moderate price that will meet all requirements. Positions required can be quickly secured—reclining, chair, Trendelenberg, genito urinary, hip elevation, etc. The foot section of the table is removable, allowing clear field and perfect drainage in gynaecic and rectal work. The table top is of sheet steel; frame of steel tubing, strong and rigid. Finish is enamel, hand-rubbed and baked.

G-15	University Table, B100, white enamel finish	\$37 50
G-20	University Table, B100a, dark olive green finish.....	40 00
G-25	Lithotomy Leg Holders, Extra.....	3 75

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Office Equipment



G-12. ASEPTIC OFFICE EQUIPMENT A.

This office equipment is a model of convenience and beauty, at a moderate price. It has been selected with the utmost care and thought to secure for the physician desiring an outfit of this character the best value. It does not want to be compared with the cheap outfits that have been offered heretofore. Every piece in the outfit receives the same care and attention in construction and finish as our higher priced articles and our guarantee stands behind it in the same way.

The outfit consists of our

Paragon Examining Table B15	\$27 50
Office Instrument Table B123B.....	8 00
Combined Irrigator and Revolving Basin Stand B203.....	14 00
Operator's Stool, either B135 or B136.....	6 00

Each piece is of our regular tubular construction. Finish is in white enamel, hand rubbed and baked.

Price complete (special for complete outfit), net\$50 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Aseptic Office Equipment



G-14. OPERATING TABLE NO. 92.

This table is designed to meet the demand for a good all around office or operating table, made entirely of metal, and having all of the different movements without any complicated mechanism or unnecessary parts. It is very strongly and simply constructed and the movements are automatic, enabling the operator to place the table into the different positions with the heaviest patient upon it without lifting any weight, or shifting the patient. The tilting device is a noiseless winding gear, which is so situated that it can be reached by the operator most conveniently while either in a sitting or standing position. This enables the operator to shift the patient instantly and without effort. The seat and leg rest on the table have a space cut out of them in the middle, which is most desirable in genito urinary work. The drainage pan is shaped so that it does not interfere with the use of an instrument, and these features eliminate the necessity of shifting the patient, or removing the leg rest. The table has a step for the patient which is entirely out of the way. It has our improved adjustable heel stirrups and Bierhoff leg crutches. We also equip it with adjustable head rest if desired. This head rest is simple and easily adjusted to any position with one set screw. The head rest is a desirable feature in regular practice, and with it and without the stirrups the table makes a splendid table for eye, ear, nose and throat work. The table is the most practical and convenient thing of its kind made. The stirrups, head rest and handles are all nickel plated, and the table has a white enamel finish. We can also furnish the table with a plate glass top if desired, and with grained oak or mahogany finish.

G-14	Table No. 92 including stirrups, white enamel finish.....	\$37 50
G-16	Table No. 93. Same as above, but with half inch plate glass top.....	62 50
G-18	Bierhoff Leg Crutches, add \$5.00 to above prices.....	
G-22	Adjustable Head Rest, add to above prices.....	7 50
G-24	Leatherette Cushion, black or white, add to above prices.....	7 50
G-26	Trendelenberg Shoulder Braces, add to above prices.....	5 00
G-28	For Table without stirrups deduct from above prices.....	2 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Office Equipment

"Allison" Examining and Treatment Tables

G-32. ALLISON TABLE,
STYLE NO. 36.

Its automatic adjustment enables the busy practitioner to easily and quickly obtain any desired position. Quartered oak in any desired finish, with artistic coppered trimmings. Best M. B. leather upholstery as shown. Arm rest, leg crutches and glass drawer bottoms. White enameled interiors. Anti-friction casters, glass and porcelain trays in swinging cabinets.

Price, No. 36D\$110 00

G-34. ALLISON TABLE,
STYLE NO. 130½.

Superior in workmanship, finish and adjustments to any other medium priced table on the market. White enameled interiors, glass trays in revolving cabinets, adjustable and detachable leg rest, and adjustable stirrups. Made in any of the oak finishes, coppered trimmings. Booklet showing many positions sent free.

Price, No. 130½IC Imitation leather upholstery...\$57 50
Genuine leather, extra..... 5 00

G-36. ALLISON TABLE,
STYLE NO. 128.

A plain, substantial table of exceptional value considering the low price at which it is sold. The back, leg rest and drop leaf are adjustable to different angles. Adjustable coppered stirrups. Any oak finish.

128A, no upholstery.....\$22 50

128IC, imitation leather as shown 30 00

128LC, genuine leather as shown 35 00

Any of the above styles in imitation mahogany or white enamel, extra..... 5 00

Genuine mahogany, extra.... 15 00



QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Office Equipment

Office Examining and Treatment Chairs

YALE AND OXFORD.

For office treatments and examinations these chairs have for years been indispensable articles in the physicians' office equipment. Occupying a minimum floor space and yet affording every position required, and especially invaluable for gynaecological and irrigation treatments, few appliances have covered the field so thoroughly as have the Yale and Oxford. They are known the world over as the best.

The back and seat of either the Yale or Oxford work automatically and are securely held in any position by a hand lever and the chair can be tilted backward or forward by a foot lever. The range of seat from floor is 24 to 34 inches. The patent head rest is also adjustable.



G-38-42

YALE. Chair is raised by foot lever and lowered by compression. The drop seat secures the proper dorsal position.

OXFORD. Chair is raised by a revolving screw.



G-44-46

PRICES.

G-38	Yale Gen. leather upholstery.....	\$70 00
G-42	Yale Int. leather upholstery.....	65 00
G-44	Oxford Gen. leather upholstery.....	50 00
G-46	Oxford Int. leather upholstery.....	45 00

SPECIALIST'S CHAIR No. 7.

For eye, ear, nose and throat work the Allison No. 7 has long been a favorite.

The special curved pattern back is readily adjustable up or down, so that patients of all sizes may be accommodated. The seat revolves independent of the back and as there are no arm posts, patients may be turned from side to side permitting treatment of either ear. By a foot lever the entire chair may be tipped backwards or by a hand lever at the side the back is inclined without tilting the chair. Range of seat from floor 18 to 26 inches.

PRICES.

G-48	Specialist's Chair No. 7A, wood seat and back, quartered oak	\$45 00
G-52	Specialist's Chair No. 7, seat and back upholstered in genuine leather	50 00



G-48-52

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Office Equipment



“MULTUM IN PARVO” SPECIALIST'S CABINET.

The “Multum in Parvo” Cabinet is a most beautiful and practical design of a combined treatment and instrument cabinet.

The body of the Cabinet is made of polished pressed steel, reinforced to secure the greatest rigidity and strength. It has ten frictionless drawers of improved construction, arranged on each side of the instrument cabinet. The lower drawer on the right is furnished with a nickel plated container for cotton and a receptacle for waste pledgets.

The Instrument Cabinet has two polished plate glass shelves, close fitting double doors with bevelled plate glass windows, fitted with Pasquil lock and key. Dimensions, 18 inches wide, 16 inches high and 18 inches deep.

The top is of heavy polished plate glass, 36x18 inches, with rounded corners, resting on rubber tips.

The Bottle Rack is made of heavy copper, polished and nickel plated, holds twelve spray tubes and twelve two ounce glass stoppered, salt mouth bottles. These bottles in crystal, blue, and amber are supplied with the cabinet.

The mirror is of the finest French bevelled plate with rounded corners. Mounted in half oval steel frame.

The body of the Cabinet is mounted on cast legs of graceful design. Mounted on easy rolling casters.

Dimensions of Cabinet, 32 inches high, 36 inches wide and 18 inches deep.

Finish is in highest grade of enamel, hand rubbed and baked.

G-54	The “Multum in Parvo” Specialist's Cabinet, white enamel finish.....	\$65 00
G-56	The “Multum in Parvo” Specialist's Cabinet, mahogany finish.....	65 00
G-58	The “Multum in Parvo” Specialist's Cabinet, golden oak finish.....	65 00
G-62	The “Multum in Parvo” Specialist's Cabinet, weathered oak finish.....	65 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Office Equipment



“WHITE LINE” “MULTUM IN PARVO” SPECIALIST’S CABINET.

(With Swinging Work Bracket.)

This Cabinet is the same as our regular “Multum in Parvo” Cabinet with the addition of a Swinging Work Bracket attached to the side of the Cabinet. The bracket is equipped with our Specialist’s Instrument Sterilizer, Spray Tube Warmer, and Glass Working Shelf.

The Bracket Fitting consists of a nickel plated steel upright fitting into flanged pieces that are bolted to the side of the cabinet. This upright, carries the swinging shelves for holding the sterilizer at the top, the spray tube warmer in the center and the glass working tray at the bottom.

The Sterilizer is our Specialist’s Pattern, B260, size 12x6x4 inches, equipped with Electric Heating Unit.

The Spray Tube Heater is the well known DeVilbiss pattern.

The Working Tray is of polished plate glass, 8x16 inches, resting in a brass nickel plated frame.

The Shelves of the Bracket are adjustable up or down, and swing in a half circle radius.

G-64 The “Multum in Parvo” Specialist’s Cabinet with swinging work bracket, complete as described\$102 50

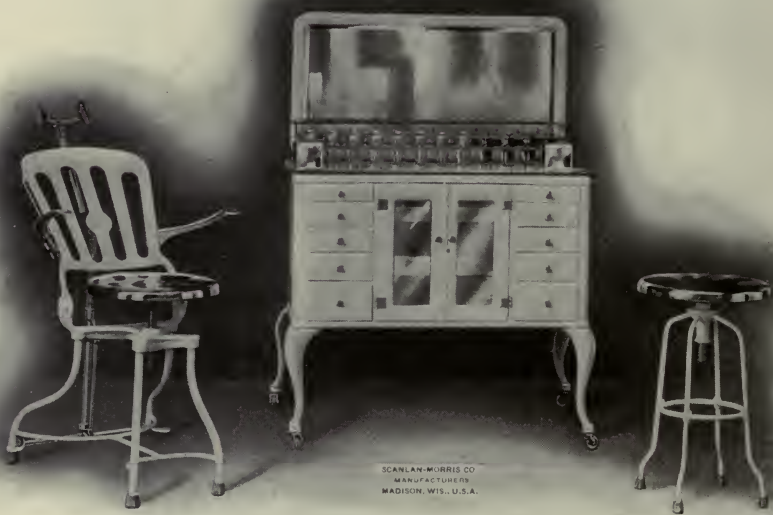
Specify finish wanted, white enamel, mahogany, golden oak or weathered oak.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Office Equipment

“White Line” Multum in Parvo Specialist's Office Outfit



SPECIALIST'S CABINET, CHAIR AND STOOL.

A model office equipment for the eye, ear, nose and throat Specialist. It is an ornament to any office and can be finished in the various wood grains to harmonize with the rest of the office furniture. It is aseptic, convenient, practical, time saving, and most attractive.

The outfit includes our “Multum in Parvo” combined treatment and instrument cabinet, our “White Line” Specialist's Chair and our “White Line” Specialist's Stool.

For full description of the “Multum in Parvo” Cabinet, refer to page 506.

For full description of the “White Line” Specialist's Chair, refer to page 522.

For full description of the “White Line” Specialist's Stool, refer to page 524.

PRICES.

G-66	The “White Line” Multum in Parvo Three Piece Office Outfit, finished in White Enamel.....	\$97 00
G-68	The “White Line” Multum in Parvo Three Piece Office Outfit, Mahogany finish	97 00
G-72	The “White Line” Multum in Parvo Three Piece Office Outfit, Golden Oak finish	97 00
G-74	The “White Line” Multum in Parvo Three Piece Office Outfit, Weathered Oak finish	97 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Office Equipment

Treatment Cabinets



G-150

G-150. “WHITE LINE” SPECIALIST’S CABINET B225.

Designed to meet the wants of the nose and throat specialist particularly, combining instrument cabinet, nest of drawers and treatment table.

The top is of snow-white porcelain enamel, aseptic, with ornamental rail carrying twelve spring clips for treatment bottles and twelve spring clips for spray tubes. Made entirely of metal and glass. Cabinet has three polished plate-glass shelves, six shallow metal drawers, and one deep metal waste receptacle hinged to throw out for convenience. Height of cabinet over all, 44 inches, width 27 inches, depth 15 inches. Finished in pure white enamel, hand-rubbed and baked.

Price\$65 00

G-76. THE “HARKNESS” SPECIALIST’S CABINET AND TABLE B340.

The Harkness cabinet and treatment table with swinging work bracket is designed and built for the convenience and use of the busy eye, ear, nose and throat specialist. It is a practical cabinet and possesses the features demanded by the practical specialist.

Body of cabinet is of sheet steel finished in white enamel, hand rubbed and baked. The all metal drawers are frictionless and conveniently arranged. These drawers are 15" long, 12½" wide, of the following number and depth respectively: Four drawers 2½" deep; two drawers, 3" deep; two drawers, 4" deep; and two drawers, 6" deep.

The Harkness cabinet is 33" wide, 16" deep and 34" high. The top consists of a plate glass slab held securely in place. The nickel-plated guard-rail is supplied with spring clips for holding twelve two-ounce, glass-stoppered, salt mouth bottles and twelve spray tubes. The glass stoppered bottles are furnished with the cabinet and come in crystal, amber and blue.

The swinging work bracket attached to the side of cabinet permits the arms carrying glass work tray, spray tube heater and specialist's sterilizer (electrically heated) to swing in a full half circle radius. The sterilizer used is our B260, 12x6x4". The spray tube warmer is of the DeVilbiss pattern. The work tray is plate glass, 8x16", resting in a brass nickel-plated frame.

The cabinet is mounted on easy moving rubber rollers.

G-76 The Harkness Cabinet, B340, complete with swinging work bracket, etc.....\$97 50

*G-78 The Harkness Cabinet, without swinging work bracket..... 60 00
QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.



“White Line” Aseptic Office Equipment



G-115. THE “WHITE LINE” TREATMENT TABLE B220.

This table will be found especially useful for the doctor's consultation room and laboratory. It has a porcelain enameled top 16x20" and plate glass shelf having polished and beveled edges. A rail around three sides of the table is furnished with metal spring clips for bottles or spray tubes. Stand is of tubular construction, furnished with lignum vitae casters, and finished in pure white enamel, baked and hand-rubbed.

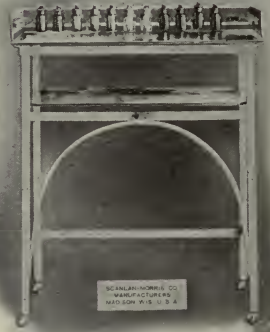
Price\$12 00

G-115

G-120. THE “WHITE LINE” NOSE AND THROAT TREATMENT TABLE B230.

Made up for the nose and throat specialist especially. It is clean, can be kept clean, and makes a handsome piece of office furniture. It has polished plate glass top 18x33", polished plate glass shelf, with end rails carrying spring clips for atomizing tubes, back rails carrying spring clips for one or two ounce bottles. Rails are made of brass, heavily nickel plated. Stand made of tubular iron, well braced, furnished with lignum vitae casters, and finished in pure white enamel, baked and hand-rubbed.

Price\$25 00



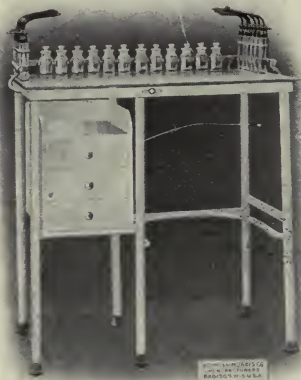
G-120

G-82. “THE WASHINGTON” TREATMENT TABLE B222.

A table that will prove of practical value and great convenience to the specialist. The table is of graceful design, strongly constructed, the bridge front allowing the operator to work close to the table, bringing spray bottles, etc., within easy reach. The metal drawers, placed to one side, are easy of access.

The table top is of heavy polished plate glass, 18x33". The nickel plated guard rail around the top is equipped with spring clips for holding twelve crystal, blue and amber glass stoppered bottles and twelve spray tubes. The drawers are of sheet steel; the frame, of wrought iron tubing finished in white enamel, hand-rubbed and baked.

Price\$35 00



QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Aseptic Office Equipment

G-84. SPECIALIST'S CABINET NO. 1134.



G-84

G-88. WALL CABINET NO. 301 AND 302.



G-86-88

Made entirely of sheet metal and so that it can be easily attached to wall. Handsome design and finish. Three adjustable shelves. Dimensions 19" wide, 26" high, and 6" deep.

*G-86 Style No. 301, plate glass in door and plate glass shelves\$12 50

G-88 Style No. 302, beveled mirror in door and plate glass shelves..... 15 00

This is a most handsome, practical and complete cabinet for eye, ear, nose and throat work. It is made entirely of metal with white enamel finish. It has ten drawers of different deptns. and a glass enclosed compartment with two polished plate glass shelves. It has a heavy polished plate glass top, and a handsome mirror at the back. The cabinet can be furnished either with or without the mirror. It has a nickel plated rack for bottles and spray tubes. It is made of such convenient height that anything it contains can be reached most conveniently. It is far superior to the old fashioned wooden cabinets, as it can be washed, kept thoroughly clean and free from odors and contamination. Dimensions 36" wide, 18" deep, and 32" high.

*G-82 Cabinet No. 1133, same as above, without mirror\$60 00

G-84 Cabinet No. 1134, same as above, with mirror 65 00



G-92-94

G-92-94. FORMALDEHYDE STERILIZER.

This sterilizer is made entirely of metal and is far superior to the wooden sterilizers. It will not warp and there are no glue joints to come open, and it is practically indestructible and thoroughly aseptic. It is made so that it can be easily attached to the wall. It has four perforated metal trays which are enameled. It is finished inside and out in white enamel, and is of very handsome design. It is made especially for dentists, physicians, barbers and hair dressers. This sterilizer is larger than most sterilizers of this kind.

G-92 Formaldehyde Sterilizer, size A, 16"x10"x15".....\$10 00
G-94 Formaldehyde Sterilizer, size B, 24"x10"x15"..... 12 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Office Equipment

Instrument Tables

G-94. THE MODEL TABLE B116.

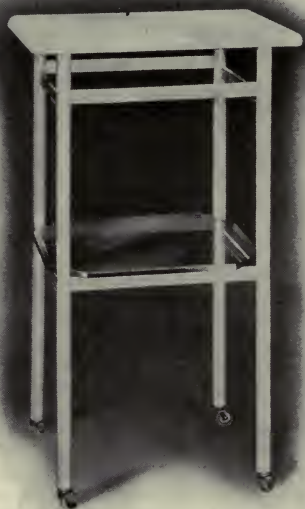
The Model table is the cleanest, most attractive and most serviceable for office work. The top is of snow white porcelain enameled iron, 16x20", the shelf of polished plate glass, having chamfered and polished edges. The frame is of tubular construction, finished in white enamel, hand-rubbed and baked.

G-94 The Model Table B116..... \$8 00

G-96 The Model Table B116a, with guard rail around the sides of top..... 10 00

G-98 The Model Table B116x, same as B116, with sheet steel drawer..... 10 50

G-102 The Model Table B116y, same as B116a, with sheet steel drawer..... 12 50



G-94

G-104. THE "WHITE LINE" TABLE B300.

This table is of the same size and construction as our Model table B116, with the addition of a receptacle for waste dressings, etc., operated by foot pedal. A most convenient form of table for the office.

G-104 "White Line" Instrument Table and waste dressing receptacle B300...\$13 50



G-104

G-106. THE "WHITE LINE" OFFICE TABLE AND CABINET B310.

The table is of the same size and height as our Model table B116, with the addition of a sheet steel cabinet for dressings, which rests upon the lower shelf braces of the table. Cabinet is furnished with one shelf. A convenient table for office work.



G-106

G-106 The "White Line" Office Table and Cabinet B310\$14 00

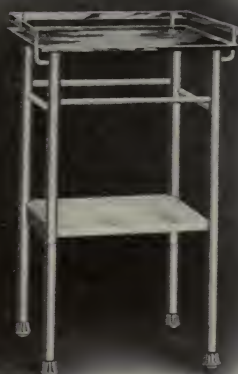
QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Office Equipment

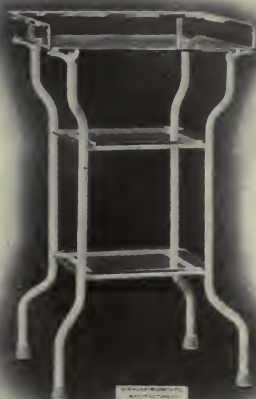
Instrument Tables



G-125.



G-130.



G-128.

G-130. THE "WHITE LINE" TABLE B123B.

This Table has a polished plate glass top, 16x20 inches, with shelf of sheet steel. Nickel plated guard rail on back and two sides of the top. Frame is of tubular construction. Mounted on heavy rubber tips or furnished with Lignum Vitae Casters. Frame and shelf finished in pure white enamel, hand rubbed and baked.

Price \$8 00

G-125. THE "WHITE LINE" TABLE B123C.

This table has a polished plate glass top, 16x20 inches, with shelf of sheet steel. Nickel plated guard rail on back and two sides of top. Sheet steel drawers of our improved frictionless pattern. Mounted on heavy rubber tips or Lignum Vitae casters. Frame, drawer and shelf finished in pure white enamel, hand rubbed and baked.

Price \$10 00

G-128. THE "WHITE LINE" TABLE B123R.

A table of graceful, attractive design with top and shelves of polished plate glass; guard rail of nickel-plated steel and frame of tubular construction with curved legs; mounted on heavy rubber tips or Lignum Vitae casters; finished in white enamel, hand rubbed and baked.

Price \$10 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Office Equipment

Laboratory Tables



G-132. “WHITE LINE” LABORATORY TABLE.

A most convenient stand or work table for the Laboratory or work room. The Bracketed Plate Glass Shelves for the reception of reagents, stains, etc. The drawers for odds and ends, and the glass top of the work table for microscopic, blood and urine test work.

The top is of one piece of heavy polished French plate glass, 24x48 inches, enameled on its under surface into three equal sections. The center section is enameled in black and will be found eminently useful in microscopic work for color differentiation.

The shelves are of heavy polished plate glass, 8x48 inches, and are guarded with back rails.

The drawers are of sheet steel of our improved frictionless construction.

The frame is of tubular construction, with bridge front brace, (permitting of close work,) mounted on rubber tips to secure firmness, and finished in white enamel, hand rubbed and baked.

G-132 The White Line Laboratory Table, complete as described.....\$60 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Office Equipment

Instrument Cabinets



G-145

G-145. “WHITE LINE” INSTRUMENT CABINET, THE “PRINCESS” B51.

An aseptic cabinet designed for office or hospital. The design is good, the cabinet is well made and the price is moderate.

The snow white porcelain enamel aseptic slab forming the top of the cabinet serves admirably as a table for the assorting and selecting of instruments. The double doors, swung on concealed hinges, are close fitting, and are supplied with locks and keys. The shelves are of polished plate glass. The sides and back of the case are made from one continuous piece of sheet steel. The cabinet is mounted on rollers and finished throughout in white enamel, hand rubbed and baked.

Price\$47 50

“White Line” Instrument Cabinets

G-146. THE “PRINCESS” CABINET WITH METAL DRAWERS B51A.

The upper part of the cabinet is of the same design and construction as our regular Princess cabinet, but is furnished in addition with a set of three drawers, each with its separate lock and key. A most practical office cabinet for instruments and dressings.

A snow white porcelain enamel aseptic slab forms top of cabinet. The double doors swing on concealed hinges; the shelves are of polished plate glass. The sides, back and drawers are of sheet steel. The cabinet is finished inside and out in white enamel, hand rubbed and baked. Height of the cabinet over all, 61"; inside dimensions of cabinet proper, 30" wide by 27" high by 16" deep. Dimensions of metal drawers, 6x8x14" each.

Price\$45 00



G-146

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Office Equipment

Cabinets



G-148.



G-152.

G-148. “WHITE LINE” INSTRUMENT CABINET B810.

This Cabinet is made of steel throughout, smoothly joined at the corners making it thoroughly aseptic and easily cleaned.

The door and sides are set with polished plate glass having one inch bevel. Back and bottom of sheet steel.

The Cabinet is furnished with four polished plate glass shelves with polished edges. Sheet steel shelf set between the uprights of the cabinet will be found an added convenience.

The Cabinet is furnished with Pasquill lock, locking at top and bottom.

The Cabinet is finished in snow white enamel, hand rubbed and baked and mounted on easy rolling casters.

Dimensions of Cabinet, 42 in. high, 24 in. wide, and 16 in. deep, total height on base, 65 in.

Price\$75 00

G-152. “WHITE LINE” INSTRUMENT AND DRESSING CABINET B814.

A Combination Cabinet designed for instruments and dressings.

The instrument cabinet has the same specifications in size and construction as our B810. The dressing cabinet (lower section) is made entirely of steel, furnished with sheet steel drawer and shelf, and Pasquill lock fastening at top and bottom.

The Cabinet is mounted on short standards having easy rolling rubber casters, and finished in snow white enamel, hand rubbed and baked.

Dimensions of Dressing Cabinet including drawer—24 in. high, 24 in. wide, 22 in. deep. Total height of cabinet, 74 inches.

Price\$90 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Office Equipment

Cabinets



G-154.

G-154. “WHITE LINE” INSTRUMENT CABINET B818.

All metal work of this cabinet is made of steel, smoothly joined at the corners, making it aseptic and easily cleaned.

The doors and sides are set with bevelled plate glass lights, back, top and bottom of sheet steel.

The Cabinet is furnished with four polished plate glass shelves having polished edges.

The sheet steel shelf set below between the curved uprights of the base will be found an added convenience.

The Cabinet is furnished with a Pasquill lock, locking at top and bottom.

The Cabinet is mounted on gracefully designed uprights having easy rolling rubber casters.

The Cabinet is finished in snow white enamel, hand rubbed and baked.

Dimensions of Cabinet, 42 in. high, 42 in. wide, and 16 in. deep. Total height, 64 in.

Price\$125 00

NOTE.—We illustrate only a few of the more popular styles of the Cabinets that we make. We also make larger sizes, more suitable for hospital work and will be glad to mail complete catalog upon request.

The same care exercised on the “White Line” products is exhibited in the design and construction of our Cabinets and we have every expectation that our cabinets will become as “Standard” as the balance of our “White Line” furniture and apparatus.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Aseptic Office Equipment



ASEPTIC INSTRUMENT CABINETS.

Made entirely of metal and glass, and dust and damp proof. Adjustable plate glass shelves with polished edges. Handsome baked enamel finish in white or colors. Lock and key.

- | | | |
|-------|---|---------|
| G-162 | Cabinet No. 1100 Style A, double strength glass door and shelves; dimensions, 65 in. high, 25 in. wide, and 15 in. deep..... | \$30 00 |
| G-164 | Cabinet No. 1100 Style B, double strength glass door, and plate glass shelves | 40 00 |
| G-166 | Cabinet No. 1100 Style C, beveled plate glass door and plate glass shelves | 45 00 |
| G-160 | Cabinet No. 1138, beveled plate glass door and sides, and plate glass shelves; dimensions, 65 in. high, 25 in. wide, 18 in. deep..... | 75 00 |
| | With double strength glass door and sides, and plate glass shelves..... | 65 00 |
| G-165 | Cabinet No. 1140, beveled plate glass door and sides, and plate glass shelves; dimensions, 70 in. high 25 in. wide, 18 in. deep..... | 100 00 |
| | With double strength glass door and sides, and plate glass shelves..... | 90 00 |
| G-170 | Cabinet No. 1142, beveled plate glass door and sides, and plate glass shelves, dimensions, 60 in. high, 25 in. wide and 18 in. deep | 90 00 |
| | With double strength glass door and sides, and plate glass shelves..... | 80 00 |

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Office Equipment

The "Allison" Medicine and Instrument Cabinets



Style 57
Price, \$30.00.



Style 54B
Price, \$40.00.



Style 52B
Price, \$30.00.



Style 55
Price, \$45.00.



Style 23A
Price, \$30.00.



Style 53
Price, \$35.00.

Note.

Prices quoted are for double strength glass throughout. Plain Plate, Bevel Plate, or Leaded Glass furnished at additional cost. Plain or Bevel Mirrors can also be supplied.

Best grade quartered oak used.



Style 60B
Price, \$60.00.

Note.

English, Golden and Weathered Oak finishes regularly carried in stock. Styles 55 and 57 carried in white enamel special oak finishes on order.

Imitation mahogany \$5 extra. Genuine mahogany \$15 to \$20 extra.



Style 169A
Price, \$80.00.



Style 56B Price, \$50.00.



Style 62B Price, \$80.00.



Style 61B Price, \$65.00.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Office Equipment

Instrument Cabinets

G-185. GOLD MEDAL CABINET NO. 120.

The great demand for a neat, well-made instrument cabinet at a moderate price has prompted us to add this handsome cabinet to our line.

Made of oak—golden oak finish, door cushioned, inside white enamel, plain glass throughout, beveled French plate mirror.

The cabinet is 68 inches high, 26 inches wide and 14 inches deep, outside measurement.

Prices.

G-185 Gold Medal Cabinet Style No. 120, with mirror\$25 00

*G-186 Gold Medal Cabinet Style No. 121, without mirror 22 00

Note.—We can furnish either of above cabinets with plate glass shelves at \$2 net extra.



G-185-186



G-180-182-184

G-180. GOLD MEDAL CABINET NO. 130.

This cabinet is very similar to our No. 122 cabinet, except that it is put up with removable iron legs instead of wooden legs. These legs are screwed or bolted to the base of the cabinet. The shelf is screwed on and makes the whole base strong and rigid.

The entire cabinet is finished in white enamel and makes a very attractive appearance.

The legs can be removed for shipment and can be packed separately.

Size when set up: 65 inches high, 26 inches wide and 14 inches deep; weight, 105 pounds.

Prices.

G-180 Style No. 130, plain glass shelves throughout\$29 00

G-182 Style No. 130A, plate glass shelves 34 00

G-184 Style No. 130B, plate glass shelves and beveled plate glass front..... 33 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Aseptic Office Equipment

Spittoons and Waste Receptacles

G-188. THE "WHITE LINE" SANITARY OFFICE SPITTOON.

A sanitary spittoon for the physician's office at a moderate price. Spittoon is carried in a swinging bracket, which can be raised or lowered as required. Spittoon is of white enameled steel ware, with removable cover. Upright and swinging bracket polished and nickel plated. Tripod base finished in white enamel.

Price \$8 00



G-188

Cover of bucket is close fitting, made of copper, nickel plated, equipped with a foot lift attachment for opening and closing cover.

Bucket is supplied with perforated drain tray, the perforations in tray allowing liquids to pass to bottom of bucket. Cotton, dressings and solids are caught by tray and can be lifted out without soiling the hands.

The "White Line" Waste Receptacle \$9 00

G-110. THE "WHITE LINE" WASTE RECEPTACLE.

A white porcelain enamel bucket (12x11 inches) fitted into a tubular constructed stand, mounted on rollers, finished in white enamel.



G-110

G-192. THE "JUSTRITE" SANITARY WASTE RECEPTACLE.

(Patented.)

Opens with the Foot. — Always Closed when not in Use.

Maintains an aseptic condition of physician's and nurses' hands. A receptacle par excellence for receiving septic and tissue matter.

The most sanitary and convenient waste receptacle for physicians, dentists and hospital use.

PRICES.

Three Coat (Baked) Enamel.

No. 40	3 gal.	.....	\$3 00
No. 41	6 gal.	.....	3 50
No. 42	8 gal.	.....	3 75
No. 43	10 gal.	.....	4 00

White Porcelain Enamel.

No. 50	3 gal., steel cover	3 50
No. 47	3 gal., n. p. cover.	4 50
No. 48	3 gal., ox. fin. cov.	4 50
No. 49	3 gal., alum. cover	4 00
No. 45	6 gal., n. p. cover.	6 00
No. 46	6 gal., ox. fin. cov.	6 00
No. 51	6 gal., steel cover	5 00
No. 36	8 gal., n. p. cover.	7 00
No. 37	8 gal., ox. fin. cov.	7 00
No. 52	8 gal., steel cover.	6 00
No. 38	10 gal., n. p. cover	8 00
No. 39	10 gal., ox. fin. cov	8 00
No. 53	10 gal., steel cover	7 00
No. 20	3 gal., alum. fin..	1 40
No. 21	6 gal., alum. fin..	1 50
No. 22	8 gal., alum. fin..	1 75
No. 23	10 gal., alum. fin..	2 00



G-192

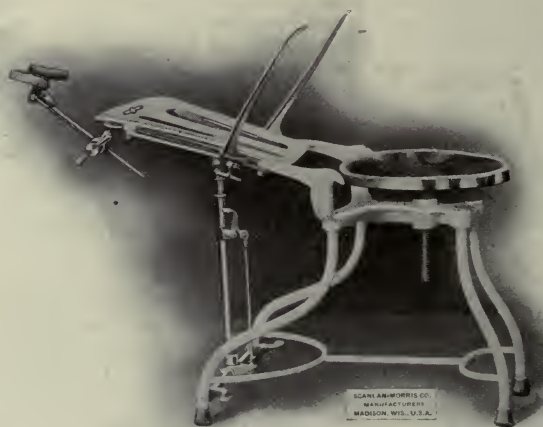


G-192

QUALITY GUARANTEED.—Specify section letter and number in ordering. Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Office Equipment

Specialist's Chair



G-194-196

G-194. "WHITE LINE" SPECIALIST'S CHAIR.

A chair designed to meet the requirements of the most exacting eye, ear, nose and throat specialist.

The back of this chair is so shaped as to afford the greatest comfort to the patient and is adjustable to any angle, adjustment being obtained by means of a foot pedal.

The round seat (revolving) is adjustable in height from 18 inches to 25 inches.

The head-rest gives the greatest range of adjustability in height, in angle (front and back) and in the tilt of the head rest proper up and down.

The chair is equipped with adjustable arm rests.

The frame and body of chair are of wrought and malleable iron, finished in the highest grade of enamel, hand rubbed and baked. Arm rests, seat and chair fittings are finished in nickel-plate or oxidized copper finish.

G-194 "White Line" Specialist's Chair B350, white enamel finish, nickel plated seat and trimmings. Price.....\$25 00

*G-196 "White Line" Specialist's Chair B353, golden oak finish, nickel plated seat and trimmings. Price.....25 00

Also furnished in mahogany grain, or all oxidized copper finish.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.



G-198. SPECIALIST'S CHAIR NO. 1275.

Price \$25.00.

Patient's Chair for eye, ear, nose and throat work, designed to meet the demand for a simple chair of an inexpensive pattern, with all the necessary movements and positions, and without any complicated machinery. The back is adjustable by means of foot pedals, one at each side, which makes a most convenient method of adjustment. The seat is revolving, so that the patient can turn without moving the chair, and is adjustable in height, so as to suit any size patient. It has a rod around it for the patient to grasp hold of, doing away with the necessity of arm rests which are generally in the way. The head rest is simple and easily adjusted to any position with one set screw. Another feature of the chair is the small size of it, which leaves nothing in the way of the operator, and at the same time makes a very comfortable chair for the patient. The chair is made entirely of metal, is aseptic and practically indestructible. The seat, pedals and head rest parts are nickel plated or oxidized copper. The seat is spun sheet metal. The frame of the chair is finished in white enamel, but can be furnished with grained enamel finish. Height of seat ranges from 18 to 24 inches. In ordering specify the kind of finish and trimmings wanted.

We can furnish the chair with arm rests if desired. This style is known as Style B, and the price is \$30.00.

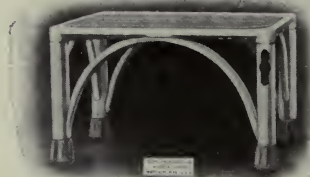
QUALITY GUARANTEED.—Specify section letter and number in ordering. Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Office Equipment

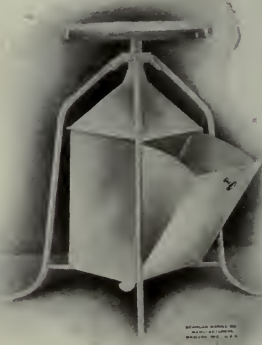
Stools for Operator and Specialist



G-206.



G-218



G-216.



G-208-214



G-222



G-202-204

STOOLS.

G-202	Surgeon's Stool B135, strongly constructed of wrought iron, with reinforced support for revolving seat which is made of stamped steel, 14 inches in diameter. The braces are round and smooth, avoiding crevices. It is finished in white enamel, hand rubbed and baked. Adjustable in height from 21 to 27 inches. Price.....	\$6 00
G-204	Surgeon's Stool B136, same as our B135, adjustable in height from 25 to 31 inches. Price.....	6 00
G-206	Surgeon's Stool B136A, with back, high or low form. Price.....	9 00
G-208	Specialist's Stool, B135S, with polished nickel plated seat, 14 inches in diameter, contracted floor base, mounted on rubber tips, adjustable in height from 18 to 25 inches. Price.....	7 00
G-210	Specialist's Stool B136O, same as B136S, with revolving seat, 14 inches in diameter. Adjustable in height from 21 to 27 inches. Price.....	7 00
G-212	Specialist's Stool, B136S, with polished nickel plated seat, 11 inches in diameter. Adjustable in height from 18 to 25 inches. Price.....	7 00
G-214	Specialist's Stool B136O, with polished nickel plated seat, 11 inches in diameter. Adjustable in height from 21 to 27 inches. Price.....	7 00
G-216	Specialist's Stool B90, with waste receptacle. A combination of our B135 Stool with a waste receptacle incorporated between the legs of the stool operated by a foot pedal. Finished in white enamel, hand rubbed and baked. Price	10 00
G-218	Operator's Foot Stool, B137, 10x14 inches, height 8 inches	6 00
G-222	Office Chair, all steel, finished in white enamel.....	6 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Office Equipment

The Allison Specialty Line



No. 102 Chair, \$7.50
Coppered steel wire. Quartered Oak or Imitation Mahogany seat and back.



No. 15 Waste Receptacle, \$6.00

Quartered Oak or Imitation Mahogany. Imported Austrian enameled pan. Opened partly or entirely by foot lever. Pan removable. Corrugated rubber top.



No. 101 Stool, \$5.00
Coppered steel wire. Quartered Oak or Imitation Mahogany Seat.



No. 205 Revolving Desk Chair, \$18.00
Quartered oak, English, Golden or Weathered Oak. Genuine Leather.

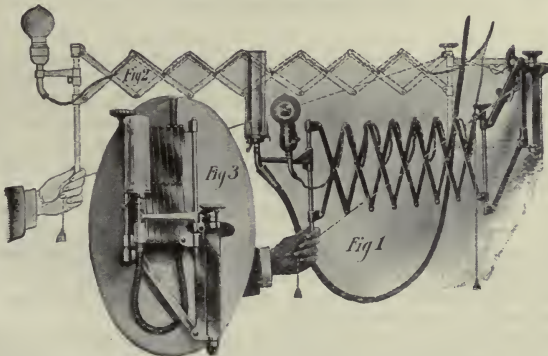


544 Desk, 50" wide.....\$60.00
546 Desk, 60" wide..... 70.00
Quartered Oak, English, Golden or Weathered Oak finish. Genuine Mahogany, \$20.00 extra.



202 Revolving Desk Chair, \$12.00.

Quartered Oak, English, Golden or Weathered. Laminated, formed seat.



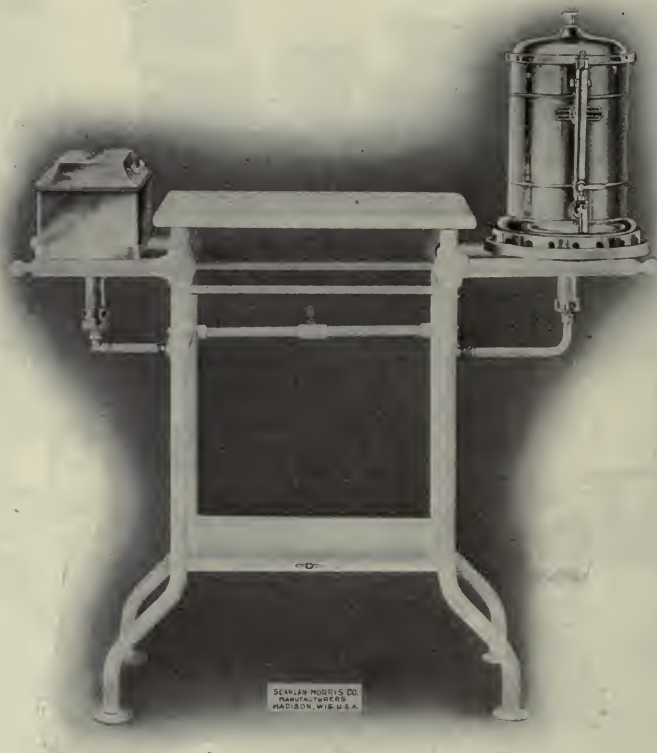
GAS, ELECTRIC AND ACETYLENE EXTENSION LIGHTS.

16 c. p. globe outfit	\$8 50
24 c. p. globe outfit	9 50
32 c. p. globe outfit	10 00
50 c. p. globe outfit	10 50
100 c. p. globe outfit	12 50
Equipped for gas only	8 50
Equipped for gas and electricity, without bulb or burner	10 50
Solar acetylene lamp	6 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Sterilizers for the Office



THE METROPOLITAN.

This outfit represents our latest design in this class of apparatus, and, while combining convenience with efficiency, it will be found especially useful in offices that have a small floor space. It combines an instrument table and a sterilizing outfit in the one piece of furniture, an added advantage in conveniently handling the contents of the instrument sterilizer. The outfit is mounted on a stand of tubular construction, having a porcelain enamelled top 16x20 inches, and a sheet steel shelf. The stand is finished in aluminum bronze and white enamel.

The burners for heating the sterilizers are of the smokeless blue flame type.

The sterilizers of perfect workmanship, design and finish, are of copper nickel-plated; instrument sterilizer supplied with perforated metal tray for handling contents; water sterilizer equipped with lever handle faucet and protected water gauge.

The Metropolitan Specialist's Sterilizing plant—Instrument Sterilizer 12x6x4 inches and Water Sterilizer of two gallons capacity.

The Metropolitan Physician's Sterilizing plant—Instrument Sterilizer 17½x7½x4 inches and Water Sterilizer of three gallons capacity.

G-282 The “Metropolitan” Specialist's Sterilizing plant, with blue flame gas burners. Price.....\$37 50

G-284 The “Metropolitan” physician's sterilizing plant, with blue flame gas burners 40 00

Denatured alcohol or blue flame gasoline burners can be furnished where gas is not available, at an additional cost of \$3.50.

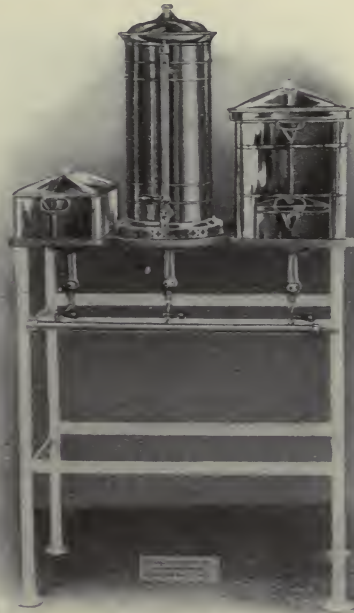
QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Sterilizers for the Office



G-285
The Monona



G-290
The Wisconsin

THE WISCONSIN.

A complete plant for the perfect sterilization of dressings, water and instruments; suitable for the surgeon's office. Perfect sterilization guaranteed.

Dressing Sterilizer: Principle of sterilization—overhead down draft, circulating live steam, insuring thorough penetration of all dressings. Dressings rapidly dried after sterilization period is completed. The Sterilizing Chamber is $17\frac{1}{2} \times 9\frac{1}{2} \times 7\frac{1}{2}$ inches, and is supplied with metal container for handling dressings.

Water Sterilizer: Three gallons capacity; equipped with protected water gauge and lever faucet.

Instrument Sterilizer: Dimensions $17\frac{1}{2} \times 7\frac{1}{4} \times 4$ inches; supplied with metal container for handling instruments.

The sterilizers are made of highly polished copper nickel-plated; all corners are rounded, and the sterilizers are mounted on a white enamel stand of tubular construction fitted with blue flame burners.

THE MONONA.

Office Sterilizing Plant for Instruments and Water: The instrument and water sterilizer are of the same style and size as those used on the Wisconsin outfit.

THE MADISONIAN.

Office Sterilizing Plant for Dressings, Instruments and Water: The Outfit includes one Wisconsin Dressing, one Wisconsin Instrument and two (one for hot and one for cold sterile water) water sterilizers of the same size and style as those used on the Wisconsin outfit.

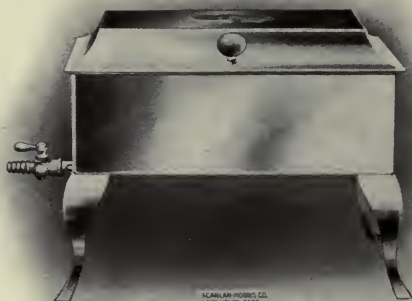
PRICES.

G-290	The Wisconsin, blue flame gas burners.....	net	\$50 00
G-292	The Wisconsin, blue flame gasoline burners.....	net	55 00
G-294	The Wisconsin, blue flame denatured alcohol burners.....	net	57 50
G-285	The Monona, blue flame gas burners.....	net	35 00
G-286	The Monona, blue flame gasoline burners.....	net	37 50
G-288	The Monona, denatured alcohol burners.....	net	38 50
*G-295	The Madisonian, blue flame gas burners.....	net	67 50
*G-296	The Madisonian, blue flame gasoline burners.....	net	74 00
*G-298	The Madisonian, blue flame denatured alcohol burners.....	net	74 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Sterilizers for the Office



G-302-304

G-306. THE PHYSICIAN'S OFFICE INSTRUMENT STERILIZER.

The physician's office instrument sterilizer is designed for general surgical work, and makes a beautiful as well as a practical piece of office equipment.

It is 16" long, 4" deep and 6" wide; is made of highly polished copper, nickel plated, and is mounted on a nickel plated brass stand of graceful design which rests in a nickel plated copper tray. The dome-shaped cover is hinged and the sterilizer is supplied with metal container for handling the instruments.

G-306 The Physician's Office Instrument Sterilizer, gas heated\$22 50

G-308 The Physician's Office Instrument Sterilizer, electrically heated, complete with plug and cord for attaching to fixture 28 00

G-302. THE SPECIALIST'S STERILIZER B260.

The B260 specialist's sterilizer is designed for the particular use of the eye, ear, nose and throat specialist. The sterilizer is of heavy copper, nickel plated, and is mounted on brass nickel plated legs. The cover is hinged and close fitting. It is equipped with perforated metal tray for handling the instruments. Dimensions: 12" long, 6" wide, by 4" deep.

G-302 The Specialist's Instrument Sterilizer, gas heated\$15 00

G-304 The Specialist's Instrument Sterilizer, electrically heated, with plug and cord for attaching to fixture 22 50



G-306-308

G-210. THE WISCONSIN INSTRUMENT STERILIZER.

The Wisconsin instrument sterilizer was designed to meet the demand of the profession for a first-class sterilizer at a low price. We use only the best materials and the same care is exercised in construction that we put into our higher priced sterilizers.

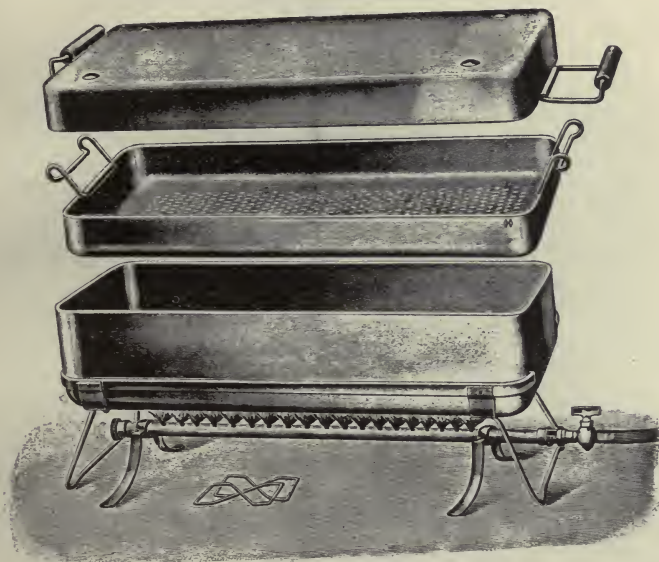
It is made of heavy copper, polished and nickel plated, has perforated nickel plated copper tray for handling contents. Dimensions: 17½" long, 7½" wide and 4" deep.



G-210

Price\$10 00

Sterilizers for the Office



G-312-336

HASLAM'S SEAMLESS PERFECTION INSTRUMENT STERILIZERS.

Made of seamless brass, highly polished and nickel plated. Furnished with seamless perforated tray with wire handles. Cover can also be used as an emergency tray. Removable standard having folding wire legs. Heating medium gas or alcohol.

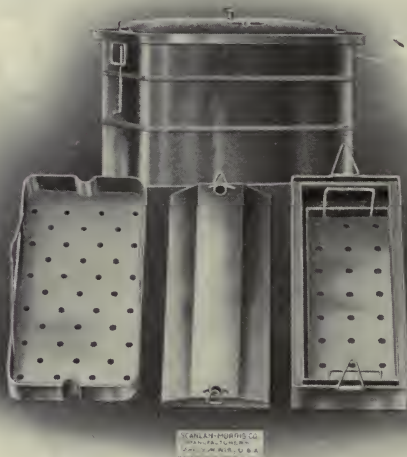
		Inside Dimensions.	Price.	Alcohol Lamp.	Gas Burner.
G-312	Perfection Instrument Sterilizer,	6 x3 1/8 x1 1/8 inches....	\$5 00	\$1 25	
G-314	Perfection Instrument Sterilizer,	7 1/4 x3 x1 1/8 inches....	5 50	1 90	
G-316	Perfection Instrument Sterilizer,	7 1/2 x4 1/4 x1 1/8 inches....	7 00	1 90	
G-318	Perfection Instrument Sterilizer,	9 3/4 x4 3/4 x2 inches....	9 50	2 90	\$2 25
G-322	Perfection Instrument Sterilizer,	11 x4 3/4 x2 inches....	10 50	2 90	2 25
G-324	Perfection Instrument Sterilizer,	11 3/4 x5 1/2 x2 1/2 inches....	12 00	2 90	2 50
G-326	Perfection Instrument Sterilizer,	13 3/8 x6 1/4 x3 inches....	13 75	2 90	2 50
G-328	Perfection Instrument Sterilizer,	15 3/4 x4 1/2 x3 3/8 inches....	12 50	2 90	2 75
G-332	Perfection Instrument Sterilizer,	16 1/2 x7 x3 1/2 inches....	18 25	2 90	2 75
G-334	Perfection Instrument Sterilizer,	17 x4 1/2 x3 3/8 inches....	12 50	2 90	2 75
G-336	Perfection Instrument Sterilizer,	19 3/8 x7 7/8 x4 1/2 inches....	23 50	5 25	3 00
G-338	Haslam's Seamless Perfection Instrument and Dressing Sterilizer, made on the same plan and of the same material as the instrument sterilizer with the addition of a dressing chamber that fits between the bottom or instrument sterilizer proper and the cover.				

Instrument Chamber.	Dressing Chamber.	Price.	Gas Burner.
16 1/2 x7 x3 1/2 inches	16 1/2 x7 x3 1/2 inches.....	\$25 00	\$2 75

Note.—Prices listed above are for separate units. Burners are always extra.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

“White Line” Sterilizers for the Office



G-275

G-275. SCANLAN PORTABLE COMBINATION STERILIZER FOR INSTRUMENTS AND DRESSINGS B181.

A sterilizer that will give perfect results, and prove a source of convenience to physician and surgeon.

Principle of sterilization,—over-head down draft, circulating live steam.

Steam generated in boiler beneath sterilizing chamber is conducted by means of pipes to top of sterilizing chamber where, by its own pressure, it is forced through the dressings and out through opening in bottom of sterilizing chamber. This technique insures free circulation, thorough penetration, and perfect surgical sterilization.

The sterilizer is converted into a hot air sterilizer by opening the steam vents. The hot air from the burner displaces the steam in the chamber, circulates up through the dressings and dries them rapidly.

The boiler is detachable and can be used as an instrument sterilizer.

Sterilizer is made of cold rolled copper, heavily nickel-plated, corners all rounded.

Sterilizer is equipped with removable metal container for handling dressings and a perforated metal tray for handling instruments.

Sterilizing chamber, (instrument), $16\frac{1}{2} \times 7\frac{1}{2} \times 3\frac{1}{2}$ inches.

Sterilizing chamber, (dressing), $17\frac{1}{2} \times 9 \times 7$ inches.

G-275 Scanlan Portable Sterilizer B181. Price.....\$22 50

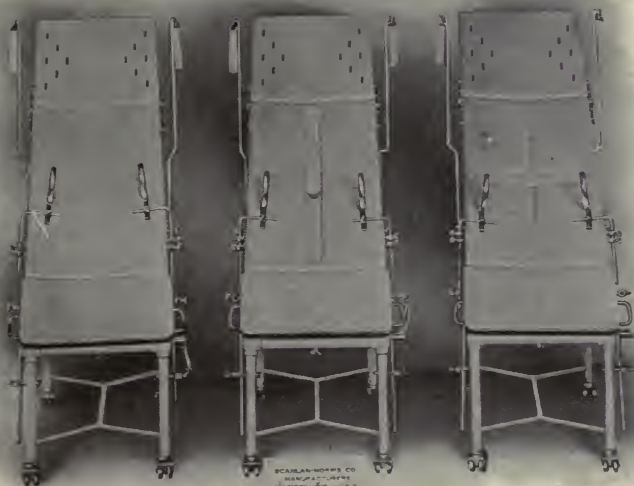
*G-280 Scanlan Portable Sterilizer B181, on white enamel stand, with rack and blue flame burner, gas, gasoline or denatured alcohol, as ordered. Price... 30 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Hospital Equipment

Operating Tables



No. 101.

No. 102.

No. 103.

“WHITE LINE” PORCELAIN ENAMEL TOP OPERATING TABLES.

Table tops are of snow white porcelain enamel, “aseptic,” vitrified onto the castings at a temperature of 1,600 degrees Fahrenheit.

They are temperature proof, clean, easy to keep clean and practically indestructible.

Table fittings are of cold rolled steel, heavily nickel-plated.

Frames are of wrought iron tubing, finished in white enamel, hand rubbed and baked; mounted on large rubber rollers.

Anaesthetizer controls all movements of the table, and can, without exertion, place the patient in the position desired.

The field of operation remains at the same height in Trendelenberg or in horizontal position.

Mechanism of the table is simple and effective.

Tables are complete with adjustable shoulder crutches, leg-holders and porcelain shelf, for drain pan.

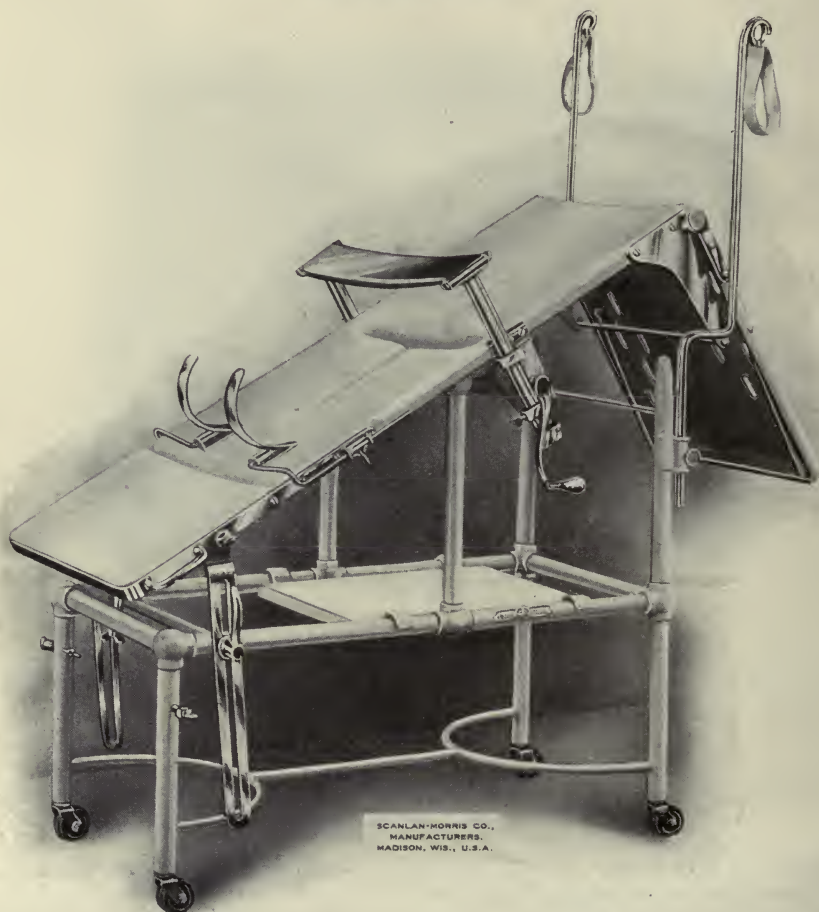
G-465	“White Line” Porcelain Enamel Top Operating Table, No. 101, (plain top, slightly concaved)	\$85 00
G-470	“White Line” Porcelain Enamel Top Operating Table, No. 102, (with longitudinal drain)	85 00
G-475	“White Line” Porcelain Enamel Top Operating Table, No. 103, (with longitudinal and lateral drain)	85 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Hospital Equipment

Operating Tables



G-490

G-490. "WHITE LINE" PORCELAIN ENAMEL TOP OPERATING TABLE WITH ADJUSTABLE ELEVATOR FOR GALLSTONE, KIDNEY AND STOMACH OPERATIONS B103A.

Made in the same designs and of the same construction and material as our regular "White Line" operating tables, with the addition of a central body elevator that will be found of the greatest convenience in nephrectomy, stomach and gall bladder work.

The elevator is made without cog or ratchet, works noiselessly, can be raised or lowered from either side of the table, and retains its position without catch. This table will meet the requirements of the most exacting operators.

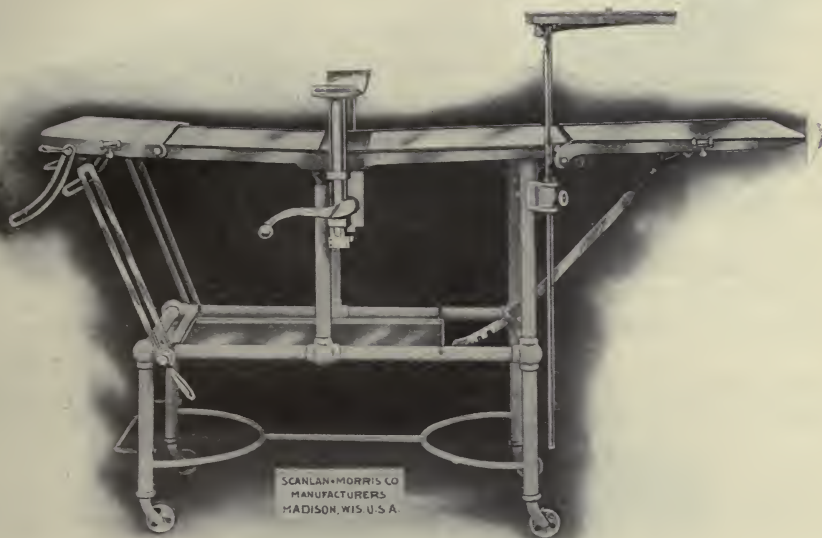
*G-480 "White Line" Operating Table No. 101A, with adjustable body elevator, (plain concaved top)	\$125 00
*G-485 "White Line" Operating Table No. 102A, with adjustable body elevator, (top with longitudinal drain)	125 00
G-490 "White Line" Operating Table No. 103A, with adjustable body elevator, (top with longitudinal and lateral drain)	125 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Hospital Equipment

Operating Tables



G-500

MINNESOTA OPERATING TABLE NO. 2.

(As used at St. Mary's Hospital, Rochester, Minn.)

This table is so nicely balanced that the anaesthetizer can place the patient in any position without exertion.

The foot piece of the table adjusts itself automatically to its proper place when the table is placed in the Trendelenberg position and readjusts itself in the same manner when the table is brought up to the horizontal.

The top of table is made of brass, polished and nickel plated, and is equipped with adjustable body elevator, adjustable and drop head piece. The latter will be found especially useful in operations involving the glands of the neck.

The frame is of tubular construction, strong and rigid, is mounted on heavy rubber tired rollers, and is finished in white enamel, hand-rubbed and baked.

It is complete with body elevator, head rest, gynaecic rack or shelf for holding instruments, Mayo instrument rack, anaesthetizer screen, leg holders and shelf for sundries.

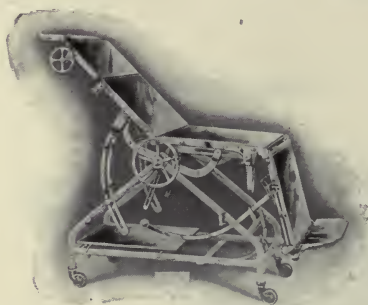
Price\$150 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

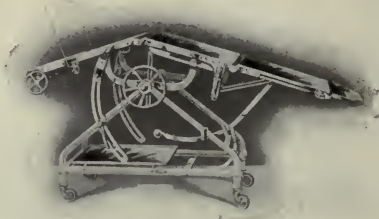
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Office Equipment

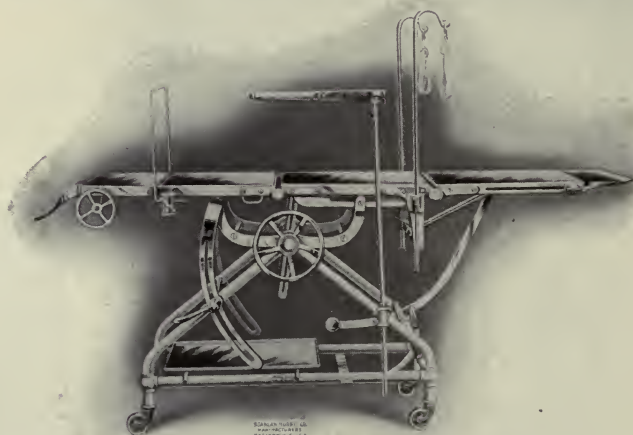
Operating Tables



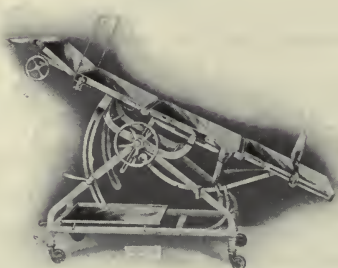
Chair Position



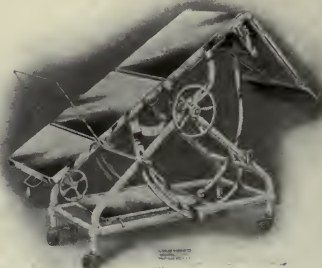
Central Body Elevation



Horizontal Position



Reverse Trendelenberg Position



Trendelenberg Position

The Minnesota Operating Table No. 3.

(As used at St. Mary's Hospital, Rochester, Minn.)

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Hospital Equipment

G-502 THE MINNESOTA OPERATING TABLE No. 3.

Patented.

The Minnesota Table No. 3, the third and latest pattern of the Minnesota tables, is the **perfect result of years of experiment and work**. It embodies the **most advanced mechanical ideas in table design and construction**.

The table is at all times **under the complete control of the anaesthetizer**, and all positions can be secured by him without moving from the head of the table.

The central body elevation for kidney, stomach and gall stone operations is secured by anglization of the table top, eliminating all strain by supporting the body at all points. Elevation is made easily and rapidly by means of worm gear and hand wheel.

The reverse Trendelenberg or Fowler position, for abdominal drainage, goitre, gland work, etc., can be secured within three seconds from either the Trendelenberg or horizontal position.

The foot rest or support used in this position is adjustable up or down the foot piece, is part of the table proper, and is out of the way when not in use.

The Mayo drop head rest or goitre attachment is fitted to the adjustable head piece of the table and can be removed when not in use.

The head piece is adjustable upward to an angle of 45° by means of screw and hand wheel and is positively locked at any point within this radius.

The foot piece automatically adjusts itself to the correct angle when the table is placed in the Trendelenberg position, and readjusts itself in the same manner when the top is brought back to the horizontal position.

The anaesthetizer's screen is adjustable forward or back to suit the necessities of the operator.

The Mayo Instrument Rack can be attached to either side of the table.

The table top is made of heavy copper, highly polished and nickel plated.

The table frame is of heavy tubular construction, mounted on heavy three-inch rubber tired casters and is finished in white enamel, hand rubbed and baked.

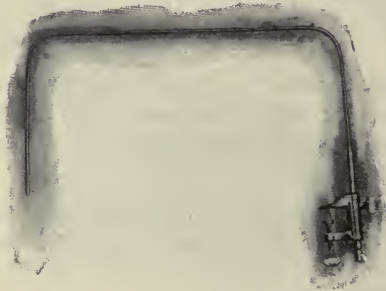
The table is complete with Mayo instrument rack, Mayo goitre attachment, Mayo adjustable head rest, adjustable foot support, anaesthetizer's screen, leg holders and shelf for anaesthetizer's sundries.

G-502 Minnesota Operating Table B3, complete as described, net \$165 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Hospital Equipment

Operating Table Accessories



G-515. ANAESTHETIZER'S SCREEN B20.

Consists of flexible rod and clamp. The rod is clamped to table top, and adjusted to suit the convenience of the anaesthetizer. A sterile towel fastened to rod forms the screen, and protects the wound from sepsis through saliva or vomit that might otherwise possibly contaminate the seat of operation. It also screens field of operation from the view of the anaesthetizer, directing his attention solely to the patient.

Price, net \$3 50

G-510. MAYO INSTRUMENT RACK B104A.

A convenient tray for holding instruments during an operation. The removable porcelain enamel steel tray rests in a frame that is attached to a nickel plated steel tube, which telescopes into a tubular upright. The base is designed to go under the frame of the operating table. Is adjustable in height by set screw. Base and upright finished in white enamel, hand rubbed and baked.

Price, net\$10 00



G-510

G-505. MAYO INSTRUMENT RACK B104C.

This rack was designed by the Drs. Mayo to do away with the practice of placing instruments on the body of the patient at or close to the field of operation.

It consists of a tray, made entirely of aluminum, 19 inches long and 14 inches wide, to which is attached at one corner a light, strong, nickel plated seamless steel tube upright, which fits into the eye bolts or stirrup holders of the table frame. A movable brass, nickel plated collar on this upright permits the adjustment of the rack to any height and allows it to swing freely in any direction. The rack is particularly adapted to the “White Line” operating tables, but can be adapted to the frames of other styles of operating tables by means of eye bolts which we furnish without extra charge when required.

Price, net \$7 50

***G-506. MAYO INSTRUMENT RACK B104.**

This rack is the same as the one described above except that it is furnished with a removable porcelain enameled steel tray.

Price, net \$7 50

G-505

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Hospital Equipment

Instrument Tables



“WHITE LINE” PORCELAIN ENAMEL “ASEPTIC” TOP INSTRUMENT TABLES.

These tables are without doubt the best that have been designed up to the present time for hospital use. They are rapidly replacing the glass top tables, as the annual expense of glass breakage in large institutions using glass top tables is enormous.

The tops and shelves are made of special castings and are coated with a pure snow white porcelain enamel, vitrified to the casting at a temperature of 1600° Fahrenheit. They are temperature proof and are practically indestructible. They look clean, are easy to keep clean and can be made surgically aseptic. All corners and edges are rounded.

The frames are of tubular construction, rigid and strong. Our construction eliminating all corners or crevices. They are mounted on lignum vitae casters or rubber tips, as ordered. We will furnish with casters when not otherwise specified.

G-530	“White Line” Instrument Table B-106, size 15x19 inches, porcelain enameled top and shelf.....	\$12 00
G-535	“White Line” Instrument Table B-108, size 16x30 inches, porcelain enamelled top and shelf.....	20 00
G-540	“White Line” Instrument Table B-110, size 18x33 inches, porcelain enamelled top and shelf.....	25 00
G-545	“White Line” Instrument Table B-112, size 24x36 inches, porcelain enamelled top and shelf.....	31 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Hospital Equipment

Glass Top Instrument Tables



"WHITE LINE" INSTRUMENT TABLES WITH GLASS TOPS.

Our Instrument Tables with glass tops and shelves are designed and constructed on the same lines as our "White Line" Porcelain Enamel Top Tables.

The tops and shelves are of heavy plate glass having polished and beveled edges. They rest on rubber tips and are held firmly in position by special claw corner castings.

The Frames are of tubular construction, are strong and rigid, are mounted on Lignum Vitae casters or rubber tips, and are finished in white enamel, hand rubbed and baked.

G-570	"White Line" Instrument Table B-117, 16x20 inches, with plate glass top and shelf.....	\$ 9 00
G-575	"White Line" Instrument Table B-118, 16x30 inches, with plate glass top and shelf	15 00
G-580	"White Line" Instrument Table B-119, 18x33 inches, with plate glass top and shelf.....	18 00
G-585	"White Line" Instrument Table B-120, 24x36 inches, with plate glass top and shelf.....	25 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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"White Line" Aseptic Hospital Equipment

Instrument Tables



G-558.

"WHITE LINE" PORCELAIN ENAMEL (DEPRESSED) TOP INSTRUMENT TABLE B107.

The top and shelf of snow white porcelain enamel (aseptic) are cast with a rim around the outer edge; this rim prevents instruments from falling off or being pushed from the table. The dimensions of the table—36x12 inches—permit the laying out of instruments in the most convenient manner.

G-558 "White Line" Instrument Table, B107, 12x36 inches, with porcelain enameled top and shelf\$25 00



G-560.

"WHITE LINE" PORCELAIN ENAMEL "ASEPTIC" TOP INSTRUMENT TABLE B-21.

The snow white porcelain enamel top is temperature proof, and permits of instrument trays direct from the sterilizer being placed upon it.

The guard rail surrounding the back and two ends of the table prevents instrument trays from falling off while wheeling the table from the sterilizer to the operating room. The table is mounted on large rollers so as to be easily moved. Table was designed for the Presbyterian Hospital, Chicago.

G-560 "White Line" Instrument Table, B21, 12x48 inches, with porcelain enameled top and shelf 27 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Hospital Equipment

Ward Tables



G-595



G-598



G-616



G-605



G-610



G-615

“WHITE LINE” WARD TABLES.

G-595	The Model Ward Table, B116, size 16x20 inches, porcelain enameled top and glass shelf.....	\$ 8 06
*G-600	The Model Ward Table, B116A, same as B116, with addition of guard rail at top.....	10 00
G-598	The Model Ward Table, B116X, same as B116, with addition of sheet steel drawer	10 50
*G-602	The Model Ward Table, B116Y, same as B116A, with addition of sheet steel drawer.....	12 50
G-605	The Model Ward Table, B116B, size 16x20 inches, with porcelain enamel top, sheet steel shelf, and back enclosed.....	\$ 8 75
G-610	The Model Ward Table, B116C, size 16x20 inches, with porcelain enamel top, sheet steel shelf, and two sides enclosed.....	9 25
G-615	The Model Ward Table, B116D, size 16x20 inches, with porcelain enameled top, sheet steel shelf, back and two sides enclosed.....	10 00
G-616	The “White Line” Ward Table, B44, size 16x20 inches, plate glass top and sheet steel shelf.....	8 00
*G-617	The “White Line” Ward Table, B45, size 16x30 inches, same style as B44....	12 00
*G-618	The “White Line” Ward Table, B46, size 18x33 inches, same style as B44....	15 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Hospital Equipment

Solution and Wall Stands

“WHITE LINE” SOLUTION STAND.

A most convenient stand for the operating room for holding solutions.

The bottles are of crystal glass, capacity three gallons. and are fitted with our improved overlapping ground glass covers which make them absolutely dust proof.

The frame of stand is of tubular construction, mounted on an extra heavy base, fitted with easy rolling, rubber casters.

The frame is finished in pure white enamel, hand rubbed and baked.

- *G-640 “White Line” Solution Stand, complete with two 3 gallon wide mouth solution bottles of finest crystal glass\$27 00
- G-645 “White Line” Solution Stand, complete with four 3 gallon wide mouth solution bottles of finest crystal glass 39 00
- *G-650 “White Line” Solution Stand, complete with six 3 gallon wide mouth solution bottles of finest crystal glass 50 00



G-645

“WHITE LINE” WALL STANDS.

These stands are made with either porcelain enameled or plate glass shelves. While the stands with the porcelain enameled shelves represent a greater initial cost, they will in time be found the cheaper, as the glass breakage is rather large and quite expensive, while the porcelain enameled shelves are practically indestructible. Again the porcelain enamel shelves are more in harmony with the balance of the operating room furniture.

The stands are of tubular construction, strongly braced to give the greatest strength and rigidity. They are mounted on rubber tips, and are finished in white enamel, hand rubbed and baked.

- *G-620 “White Line” Wall Stand B155, with four polished plate glass shelves, the two upper 12x42”, the two lower 18x42”\$38 00
- *G-625 “White Line” Wall Stand B156, with four rough plate glass shelves, the two upper 12x42”, the two lower 18x42” 36 00
- G-626 “White Line” Wall Stand B157, with four porcelain enameled shelves, the two upper 8x36”, the two lower 12x36” 50 00



G-626

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Hospital Equipment

Irrigator Stands



G-690



G-700



G-685

G-685. SINGLE IRRIGATOR STAND, B-125.

Irrigator Stand, plain, for hanging steel porcelain irrigators or soft rubber fountain syringe bags, made of tubular iron, on tripod base equipped with rollers, and finished in white enamel \$6 00

G-690. DOUBLE IRRIGATOR STAND B-124.

This stand is made of tubular wrought iron, mounted on tripod base with rollers, and finished in white enamel. Equipped with two 1½-gallon irrigators, complete with nickel plated bails and covers, tubing, cut-offs, nozzles and basin for holding nozzles.....\$18 00

*G-692. SINGLE IRRIGATOR STAND B-124A.

This stand is made similar to our B124 stand, but is furnished with single irrigator rod and irrigator. Price\$13 50

G-700. WHITE LINE IMPROVED IRRIGATOR STAND B-200.

Made of tubular wrought iron, mounted on heavy base, with large rubber casters, suspension rings and basin for holding irrigating nozzles, and rigid iron semi-circular collars for holding the irrigators. Adjustable, with worm gear and crank attachment. Complete, with two 1½-gallon irrigators, having nickel-plated covers, tubing, nozzles and cut-offs. The ease with which the irrigators can be placed in position or removed, the rigid position in which they are held in the rings, and the smooth working method of raising and lowering make this the best type of irrigator on the market. Price...\$27 50

*G-702. "WHITE LINE" COMBINED IRRIGATOR AND BASIN STAND.

This stand is illustrated in our "Aseptic Office Equipment A" illustrated on Page 502, and is an ideal stand where floor space is contracted. It is a combination of our B131 Basin Stand and B124A Irrigator. Finished in white enamel and nickel plate, and furnished complete as indicated.

Price \$14 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Hospital Equipment

Basin and Immersion Stands



G-655



G-656



G-670



G-675



G-660



G-665

“WHITE LINE” BASIN STANDS.

G-655	“White Line” Basin Stand, B126, single, with one 14-inch basin.....	\$5 00
G-656	“White Line” Basin Stand, B128, double, with two 14-inch basins.....	8 00
G-660	“White Line” Basin Stand, B131, double, revolving, with two 14-inch basins	7 00
G-665	“White Line” Basin Stand, B133, triple, revolving, with three 14-inch basins	10 00

“WHITE LINE” IMMERSION STANDS.

G-670	“White Line” Arm Immersion Stand, B235, McBurney pattern, furnished with a deep crystal bowl 9x15 inches, fitting into a steel stand, mounted on rollers and finished in white enamel, hand rubbed and baked.....	9 00
G-675	“White Line” Combined Basin and Immersion Stand, B240, revolving, furnished with a deep Crystal Bowl 9x15 inches, and two 14-inch porcelain enamelled steel basins, fitting into a revolving frame, mounted on heavy tripod base on casters. Finished in white enamel, hand rubbed and baked.....	18 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Aseptic Hospital Equipment**Ward Dressing Carriages****G-760****"WHITE LINE" WARD DRESSING CARRIAGE B194.**

A convenient carriage for carrying dressings, solutions, etc., to the ward for post operative or other dressings.

The porcelain enamel aseptic top and shelf are practically indestructible; frames constructed of wrought iron tubing and cold rolled steel. The wheels have rubber tires that cannot work loose, the front wheels being swiveled allow the carriage to be guided easily. The finish is white enamel, hand-rubbed and baked.

G-760 "White Line" Dressing Carriage, B194, with porcelain etameled top and shelf 18x33 inches	\$45 00
*G-765 "White Line" Dressing Carriage, B195, with polished plate glass top and shelf 18x33 inches	40 00

**G-768****"WHITE LINE" WARD DRESSING CARRIAGE B-194A.
METHODIST HOSPITAL (OMAHA) DESIGN.**

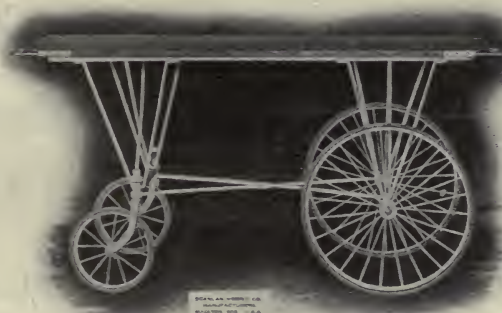
The construction of this carriage is identical with the one described above, the additional brackets for holding a basin and waste pail having been added. This addition has been found most convenient.

G-768 "White Line" Dressing Carriage, B194A, Methodist hospital design complete with porcelain enamelled basin and waste pail.....	\$57 00
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QUALITY GUARANTEED.—Specry section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Aseptic Hospital Equipment

Wheel Stretchers



G-775

“WHITE LINE” WHEEL STRETCHER B-193.

This has proven one of the most popular as well as one of the best stretchers produced at a moderate cost.

The frame is of steel, braced in a manner to give the greatest strength and rigidity. The wheels are of the strong steel suspension type, ball bearing with $\frac{3}{4}$ -inch cushioned rubber tires. Guaranteed not to work loose. Forks are of hand forged steel. The top is of selected oak, furnished with nickel-plated carrying handles. Finish of frame in white enamel. The top in natural grain.

G-775 “White Line” Wheel Stretcher B193.....\$45 00



G-770

“WHITE LINE” WHEEL STRETCHER B-192.

This Stretcher is light but very strongly constructed, the frame is mounted on two 24-inch wheels and two 12-inch wheels, with $\frac{3}{4}$ -inch cushion rubber tires. All wheels are ball bearing; the small wheels swivel, permitting the stretcher to be turned in its own length. The detachable top is of oak, finished in natural grain and furnished with nickel-plated carrying handles. The frame is finished in white enamel.

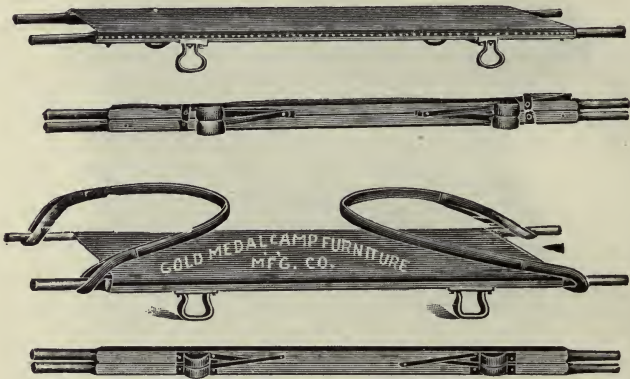
G-770 “WHITE LINE” WHEEL STRETCHER, B-192.....\$45 00

NOTE.—We illustrate only two of our most popular forms. A special catalog giving complete line will be mailed upon request.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Hospital Equipment

Hand Carrying Stretchers



G-785-786-787

THE "UNITED STATES" ARMY LITTER No. 100.

The United States Army or Government Litter is used the world over. What we offer you is the latest improved pattern, as adopted by the Medical Department of the United States Army. The wood work all air-dried white ash; the feet malleable iron; the braces forged steel; the duck 12 oz. double filled, brown or khaki; all the iron work is tinned.

G-785	"United States" Army Litter	\$7 00
G-786	"United States" Army Litter, with slings, as shown in lower illustration..	10 00
G-787	"United States" Army Litter, slings only, per pair.....	3 00



THE "GOLD MEDAL" COMBINATION COT AND LITTER No. 24.

The above represents our new Combination Cot and Litter or Stretcher, which is a first-class Folding Cot, and one of the best Litters manufactured.

It has no separate parts; can be quickly and easily folded. Its extreme length is 7 feet; the duck part is 6 feet 2 inches. It has two handles on each end and two handholes on each side. Folded it is seven feet long by 4 inches square. Guaranteed to support 600 pounds, and when adjusted, not to close when used as a litter. It is covered with 14 ounce Army duck, colored brown or drab. Weight 16 pounds.

G-788	"Gold Medal" Combination Cot and Litter No. 23.....	\$ 3 50
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GOLD MEDAL COMBINATION COT AND LITTER No. 24.

This is the same as our No. 23 Cot and Litter, but it is covered with 14 ounce Army duck, rubberized, and made thoroughly waterproof.

G-789	"Gold Medal" Combination Cot and Litter No. 24.....	5 00
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All Gold Medal Cots bear our name.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Hospital Equipment

"White Line" Sterilizers



G-855-865

THE "SCANLAN" DRESSING STERILIZER.

A dressing sterilizer that we guarantee to give perfect surgical sterilization, that will be found a most convenient type for hospitals having a small amount of heavy surgical work; for surgeons who make a great number of office dressings, or for factories and plants that have installed an emergency room for minor work, first aid and post operative dressings.

It is built on scientific principles advanced by two of the best authorities on sterilization.

The sterilizer is made of heavy copper, nickel-plated; the boiler is seamless; the cover is seamless; the inner cylinder can be removed and the boiler freed from all sediment.

Steaming Down Draft, circulating live steam at a temperature of 212° Fahrenheit, is the sterilizing agent employed to secure the best surgical results.

Steam is generated in the boiler, ascends between the double walls of the sterilizer to the dome of the sterilizing chamber, is there held in suspension, until it forces its way down through the dressings in the chamber, passes out through an opening in the bottom of the chamber, and is dissipated into hot air as it strikes the flame below the boiler. The dressings are dried out rapidly after sterilization by opening the steam escape or draft in the dome of the cover.

G-865	Scanlan Dressing Sterilizer, B162, large size, sterilizing chamber 18x22 inches	net	\$75 00
G-855	Scanlan Dressing Sterilizer, B163, medium size, sterilizing chamber 14x16 inches	net	45 00
G-868	Scanlan Dressing Sterilizer, B162, on stand with blue flame burner.....	net	95 00
G-860	Scanlan Dressing Sterilizer, B163, on stand with blue flame burner.....	net	65 00
	Burners furnished with stands are for gas, gasoline or denatured alcohol as specified.		
G-870	Scanlan Dressing Sterilizer, B162, equipped with steam coils and valves, net		95 00
G-880	Scanlan Dressing Sterilizer Stand only, either large or medium size....	net	15 00
	Burner, extra, gas, gasoline or denatured alcohol.....	net	5 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Hospital Equipment

"White Line" Sterilizers



"THE WHITE LINE" LOW PRESSURE STERILIZING OUTFIT B-173.

To meet the demand for a reasonable priced sterilizing outfit to be used by the smaller hospitals and sanitariums, where the surgical work is not particularly heavy.

The water sterilizing tanks have a capacity of 8 gallons, are made of heavy copper, equipped with water gauge, thermometer, draw off faucet and air filtering funnels; the filter we use is an improved pattern, capable of standing the heaviest water pressure without leak.

The instrument sterilizer is made of heavy copper, coated internally with pure tin, size 16 inches long, 8 inches wide, and 6 inches deep. Has perforated nickel-plated copper tray for handling contents. Outside body and cover highly polished and nickel-plated.

The stand is made of tubular wrought iron, with malleable fittings. Equipped with gas, gasoline or denatured alcohol burners. Stand finished in pure white enamel, hand rubbed and baked.

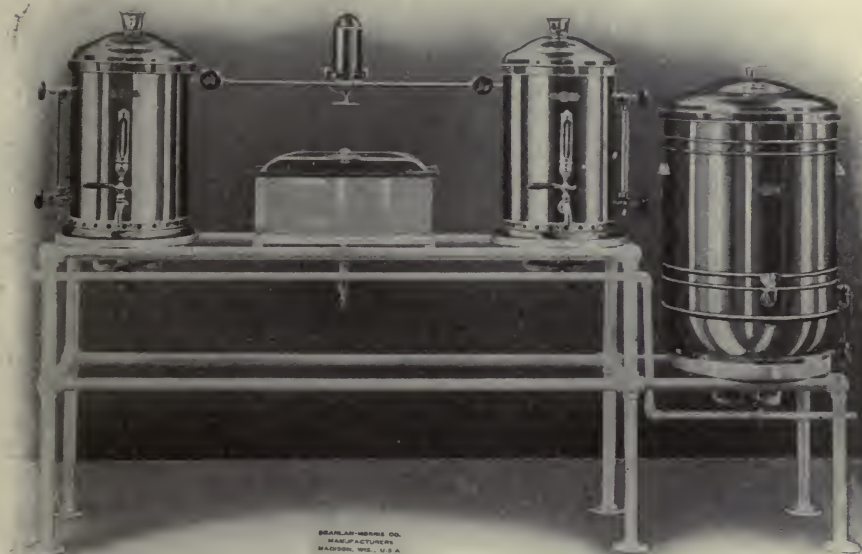
G-895	"White Line" Sterilizing Outfit B-173, with two 8-gallon water sterilizers, and instrument sterilizer as shown.	
	With Stand, equipped with our blue flame gas burner.....	\$125 00
	With Stand, equipped with our blue flame gasoline burners.....	125 00
	With Stand, equipped with our denatured alcohol burners.....	125 00
*G-900	"White Line" Sterilizing Outfit, B-174, similar to B-173, without instrument sterilizer.	
	With Stand, equipped with our blue flame gas burners.....	100 00
	With Stand, equipped with our blue flame gasoline burners.....	100 00
	With Stand, equipped with our denatured alcohol burners.....	100 00
*G-905	"White Line" Sterilizing Outfit, B-175, similar to B-173, with two 15-gallon water sterilizers.	
	Stand, equipped with our blue flame gas burners.....	175 00
	Stand, equipped with our blue flame gasoline burners.....	175 00
	Stand, equipped with our denatured alcohol burners.....	175 00
*G-910	"White Line" Sterilizing Outfit B-176, similar to B-175, without instrument sterilizer.	
	Stand, equipped with our blue flame gas burners.....	150 00
	Stand, equipped with our blue flame gasoline burners.....	150 00
	Stand, equipped with our denatured alcohol burners.....	150 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

“White Line” Hospital Equipment

“White Line” Sterilizers



G-920. THE DOMINION STERILIZING OUTFIT.

To meet the demand for a reasonable priced sterilizing outfit to be used by the smaller hospitals, sanitariums, and factories having emergency operating or first aid rooms, where the surgical work is not particularly heavy.

We guarantee them to give perfect surgical sterilization. We make them to use steam, gas, gasoline or denatured alcohol as heating mediums. We make with the medium or large size Scanlan dressing sterilizer.

The Dominion Sterilizing Outfit Includes: Scanlan Dressing Sterilizer. Principle of sterilization: overhead, down draught circulating live steam. Dressing thoroughly dried after sterilization.

Hot and cold water sterilizers, eight gallons each, equipped with water filter, thermometer, gauge glasses, etc.

Instrument Sterilizer 16x8x6 with perforated metal tray for handling contents.

Sterilizers made of heavy copper, nickel plated, mounted on white enamelled stand, equipped with special blue flame burners, gas or gasoline, or denatured alcohol, as specified.

G-915 “The Dominion” Sterilizing Outfit, B-173A, complete with two 8-gallon water sterilizers, one Scanlan medium sized dressing sterilizer, and one No. 1 instrument sterilizer.

Stand, equipped with our blue flame gas burners.....\$180 00

Stand, equipped with our blue flame gasoline burners..... 180 00

Stand, equipped with our denatured alcohol burners..... 180 00

G-920 “The Dominion” Sterilizing Outfit, B-173X, complete with two 8-gallon water sterilizers, one Scanlan large sized dressing sterilizer, and one No. 1 instrument sterilizer.

Stand, equipped with our blue flame gas burners..... 215 00

Stand, equipped with our blue flame gasoline burners..... 215 00

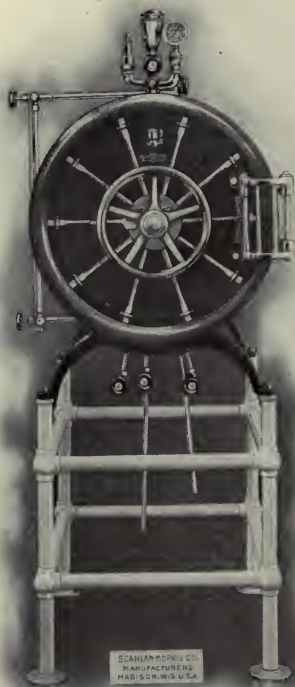
Stand, equipped with our denatured alcohol burners..... 215 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

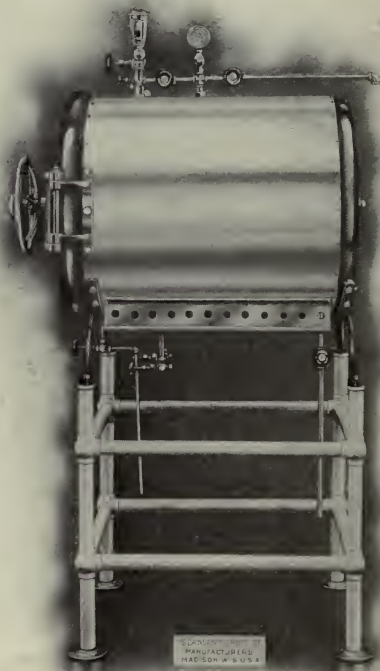
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Hospital Equipment

"White Line" Sterilizers



Front View



Side View

HIGH PRESSURE DRESSING STERILIZERS.

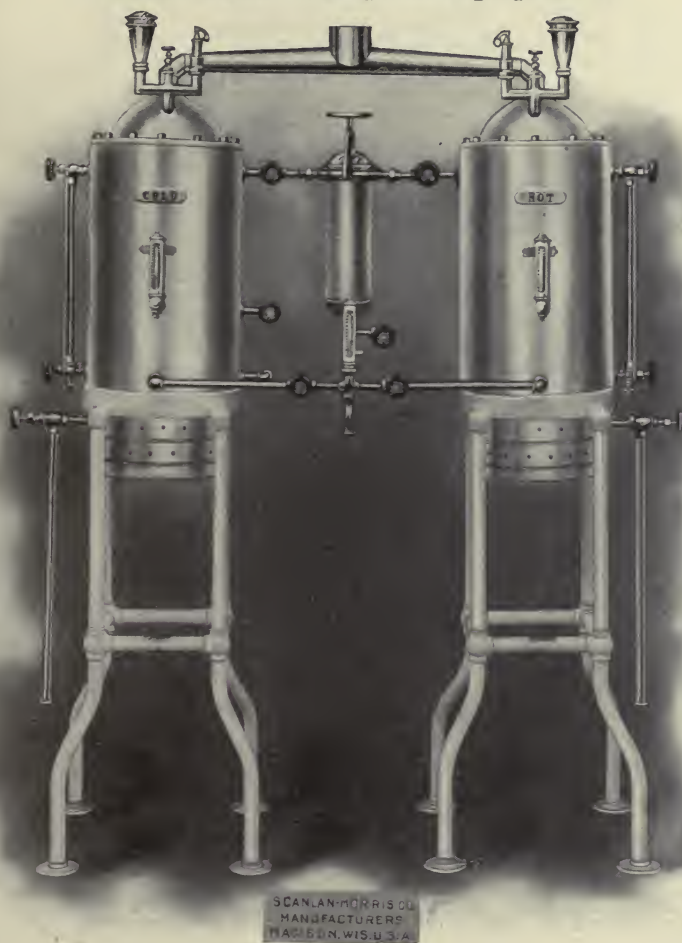
The installation of "White Line" sterilizers insures perfect results with absolute certainty. They are built according to the most advanced engineering practice, of the very best material, on practical lines that insure their standing up under the hardest work. They combine advantages in ease of manipulation, in efficiency and durability, that are found in no other sterilizer of this type. Special catalog giving full descriptive details sent by mail upon request.

- G-840 "White Line" High Pressure Dressing Sterilizer No. 1, sterilizing chamber 14x22 inches. Price\$290 00
- G-845 "White Line" High Pressure Dressing Sterilizer No. 2, sterilizing chamber 16x24 inches. Price 325 00
- G-850 "White Line" High Pressure Dressing Sterilizer No. 3, sterilizing chamber 20x28 inches. Price 450 00
- G-858 "White Line" High Pressure Dressing Sterilizer No. 2x, sterilizing chamber 16x48 inches. Priceon application

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Hospital Equipment



"WHITE LINE" HIGH PRESSURE WATER STERILIZERS.

It is impossible for us in the limited space at our command to give detailed description of our water sterilizers. They are built on the same scientific lines as our dressing sterilizer, and the same care is extended in their construction. The material used is of the very best we can buy. All fittings are absolutely standard, the design is good, and we guarantee in every way their efficiency and durability. The illustration shows our gas heated outfit. We make them also for steam heating, for steam and gas combined, and when necessary for gasoline or denatured alcohol. Special catalogue giving full descriptive details sent by mail upon request.

STYLE B410, GAS HEATED.

- G-825 "White Line" Water Sterilizers, No. 1, 15-gallon capacity each tank. Price..\$325 00
 G-830 "White Line" Water Sterilizers, No. 2, 25-gallon capacity each tank. Price.. 475 00

STYLE B410, STEAM HEATED.

(Supplied with heavy seamless steam coils.)

- G-828 "White Line" Water Sterilizers, No. 1, 15-gallon capacity each tank. Price.. 300 00
 G-832 "White Line" Water Sterilizers, No. 2, 25-gallon capacity each tank. Price.. 450 00
 G-834 "White Line" Water Sterilizers, No. 3, 50-gallon capacity each tank. Price.. 675 00
 G-836 "White Line" Water Sterilizers, No. 4, 75-gallon capacity each tank. Price.. 800 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

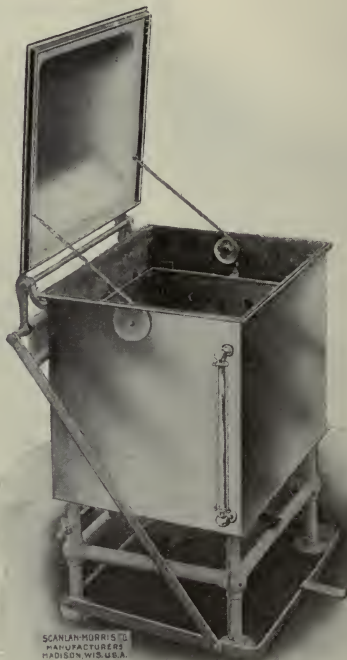
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"White Line" Hospital Equipment

"White Line" Sterilizers



G-790-800



G-805-808

"WHITE LINE" INSTRUMENT STERILIZERS.

"White Line" instrument sterilizers are made of heavy copper, nickel-plated outside, and coated internally with pure English tin; they are provided with water seal, preventing the escape of steam, except when cover is opened; sterilizers are complete with perforated metal trays for handling the instruments, and are mounted on white enameled stand with blue-flame burner and foot lift for opening cover.

"WHITE LINE" UTENSIL STERILIZERS.

"White Line" utensil sterilizer, a sterilizer for the rapid sterilization of basins, pitchers, trays, etc.; our automatic foot lift raises the cover and elevates at the same time the perforated metal tray containing the utensils; the most convenient and substantial apparatus devised for this purpose. The sterilizer is made of heavy copper, nickel plated, mounted on white enameled stand.

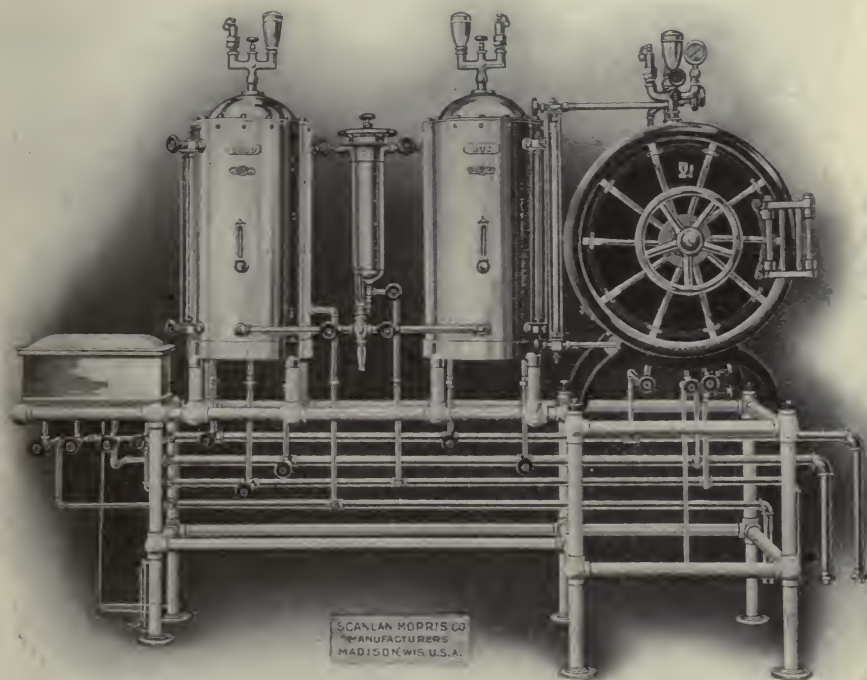
PRICES.

G-790	"White Line" Instrument Sterilizer No. 1, 16 inches long, 8 inches wide, 6 inches deep, with one large instrument tray. Price.....	\$35 00
G-795	"White Line" Instrument Sterilizer No. 2, 18 inches long, 9 inches wide, 7 inches deep, with one large and two small instrument trays.....	55 00
G-800	"White Line" Instrument Sterilizer No. 3, 22 inches long, 12 inches wide, 10 inches deep, with one large and two small instrument trays.....	65 00
	(Instrument sterilizers furnished with steam coils at an extra cost of....	10 00
G-805	"White Line" Utensil Sterilizer, 24x20x20", on white enameled stand, with blue flame gas burners.....	125 00
G-808	"White Line" Utensil Sterilizer, 24x20x20", fitted with steam coils and valves, and mounted on white enameled stand	125 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.
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“White Line” Hospital Equipment

“White Line” Sterilizers



THE “WHITE LINE” HIGH PRESSURE STERILIZING PLANT.

The illustration above shows a battery of “White Line” High Pressure Sterilizers, consisting of the dressing, water and instrument sterilizers, mounted on one stand, complete with every valve and valve connection made and with all necessary piping from the sterilizers to the risers coming up through the floor, for steam, return, water and waste.

We have built our apparatus in this way for two reasons; first, we are positively sure that every connection is made to secure the best working results; secondly, because it insures the Hospital, installing the apparatus, a great saving in the cost of the pipe installation.

We build with either iron pipe finished in aluminum, bronze or with brass pipe polished and nickel plated.

The Stand is finished in white enamel, hand rubbed and baked, and is built to suit the space it is to occupy in the sterilizing room.

We shall be pleased to quote price upon receipt of specifications.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

"Art Line" Hospital Beds



G-8147

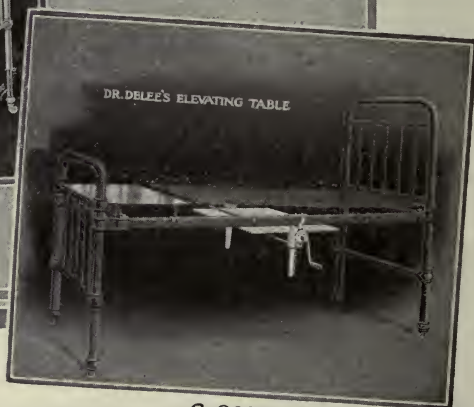


G-8149



G-8056

MANUFACTURED BY
Art Bedstead Co. Chicago.



G-8088

G-8056. DR. McKENNA'S COMBINATION OBSTETRICAL AND CONVALESCENT BED.

White enameled. Made 3 ft. wide by 6 ft. 6 in. long over all. Head end 56 in. high. Foot end 38 in. high, with removable top. By simply lifting off the top of the foot end of the bed and inserting the Lithotomy Staffs and Instrument Tray the bed is converted into a Surgical bed. This can be done in less than one-half minute, because all attachments are simple and do not require screws or bolts of any kind.

Special Surgical Bed Spring, 30 in. high; the foot end of the spring is solidly constructed of heavy sheet steel, 3 ft. by 18 in., which forms a firm table on which patient rests during an operation. In all other respects the springs are as comfortable as other springs used on hospital beds. Lithotomy Staffs with Stirrups; no trouble to attach to bed.

Detachable Swinging Instrument Tray; made of seamless steel, white porcelain enameled; size 15 in. long, 9 in. wide and 2 3/4 in. deep.

Elevating Stems to raise either head or foot end of bed, while occupied, to any desired height; can also be used to produce the Trendelenberg Posture (full bed length) often required by a patient.

Ball bearing brass wheel casters; can be detached from the bed if desired.

The complete bed with attachments are constructed of the best materials and are very easily adjusted; there are no intricate ratchets, gears or other machinery parts to get out of order. Hospitals can economize space by equipping their rooms or wards with this Combination Obstetrical and Convalescent bed.

Price complete, f. o. b. Chicago.....	net	\$20 00
G-8088 Dr. DeLee's attachment furnished with bed (G-8056) at an additional charge of...		\$10 00
G-8147 3 ft. by 6 ft. 6 in. underslung spring.....		8 25
G-8149 3 ft. by 6 ft. 6 in., complete with fracture bar, towel rod, elevating stems and 5 in. rubber tire wheels		14 00

A complete line of art hospital beds illustrated under separate cover.

Hospital Furnishings

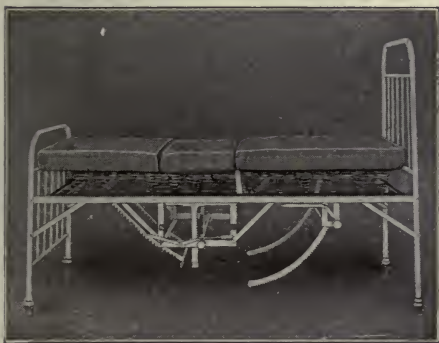
The Wallace Adjustable Invalid and Fracture Bed

For

Hospitals, Sanitariums and
Private Homes

Instantly and easily adjusted to every position obtainable on an operating table.

Permits frequent change of patient without handling.



The Fowler Position

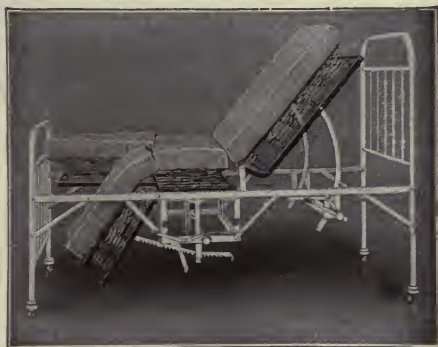
quickly secured.

Solves the problem of drainage in pelvic and abdominal surgery. Invaluable in obstetrical practice.

An Ideal Fracture Bed

Fractures once set give surgeon no worry, as patient is easily handled without danger of displacement.

FOOT SECTION IS DIVIDED so that each limb may be placed in the position desired. Head and central sections operate with a removable crank.



A combination bed and chair a boon to the convalescent; enables patient to sit up gradually.

Middle Section Lowers

For use of bed pan or douche. No lifting or moving of patient necessary. Facilitates handling of patient. Simplifies surgical dressings and bathing.

Separate sheets are used for each section, easily changed without disturbing patient. THE WALLACE BED is thoroughly scientific in all its parts. All metal, strong, durable, equipped with oil tempered springs and high grade soft felt mattresses.



List Price \$60.00

\$10 Discount to Hospitals and Physicians
6 or More in One Order \$45.00 Each

Finish, Japan and white enamel.

QUALITY GUARANTEED.—Specify section letter and number in ordering.
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Hospital Furnishings

Mattresses



"WHITE SWAN" MATTRESS.

This Mattress is made of best quality of Long Staple White Cotton, thoroughly sterilized and felted. Each Mattress contains about two thousand interlacing layers of Cotton Felt, which makes it thoroughly elastic. Guaranteed not to become lumpy or packed. We most cheerfully recommend this to be the Highest Grade Mattress on the Market.

Standard 5-inch border, best quality A. C. A. narrow blue and white stripe or Fancy Art Tickings. Unless absolutely specified, we ship A. C. A. Ticking. Mattresses are made plain or tufted. We ship Tufted unless otherwise instructed. Transportation charges prepaid to nearest Railroad Station.

4 feet 6 inches wide or less, 60 pounds.....	each	\$32 50
4 feet 6 inches wide or less, 55 pounds.....	each	29 00
4 feet 6 inches wide or less, 50 pounds.....	each	25 50
4 feet 6 inches wide or less, 45 pounds, standard size and weight.....	each	20 00
4 feet 0 inches wide or less, 40 pounds.....	each	19 25
3 feet 6 inches wide or less, 35 pounds.....	each	18 50
3 feet 0 inches wide or less, 30 pounds.....	each	17 75
2 feet 6 inches wide or less, 25 pounds.....	each	17 00

All Mattresses 6 feet, 4 inches long.

Special sizes to order. Heavier Mattresses are more satisfactory than Standard Weight.

Upon request we will be pleased to forward samples of Ticking, "White Swan" Felt, and our No. 1 Catalog, which illustrates our complete line of Mattresses, Box Springs, Pillows, Bolsters, Comforts, and general line of Bedding.

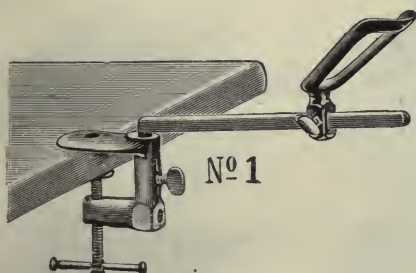
TOM B. BURNETT CO., Dallas, Texas

QUALITY GUARANTEED.—Specify section letter and number in ordering.

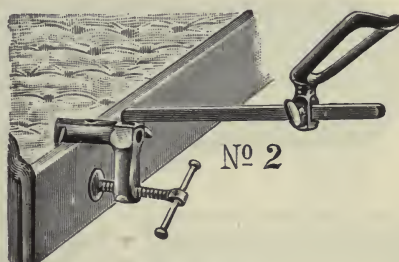
Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Hospital Equipment

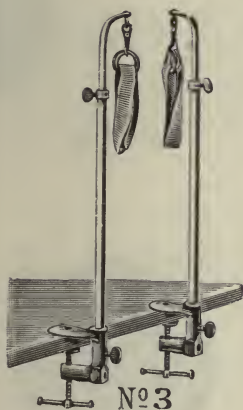
Sundries



G-420-421



G-420-421



G-430-431



G-444



G-418

MEASURING RODS.

G-418 Douglass' Improved (Circular on request)..... \$3 50

LEG HOLDERS.

G-430	Edebohl's Jointed, plated clamps	per pair	10 50
G-431	Edebohl's, Jointed, bronzed clamps	per pair	9 00
*G-432	Solid Rod, plated clamps	per pair	7 00
*G-433	Solid Rod, bronzed clamps	per pair	6 00

STIRRUPS.

G-420	Haslam's, plated clamps.....	per pair	8 00
G-421	Haslam's bronzed clamps.....	per pair	6 75
*G-422	Morgan's, rotary, for foot or head, plated clamps.....	per pair	12 00
*G-424	Morgan's, rotary, for foot or head, bronzed clamps	per pair	8 00

Circular of Morgan's Stirrups on Application.

COMBINATION LEG HOLDERS AND STIRRUPS.

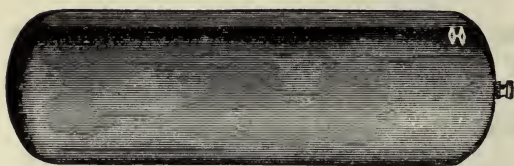
*G-434	Edebohl's, jointed leg holders, stirrups and plated clamps.....	per set	14 50
*G-436	Edebohl's, jointed leg holders, stirrups and bronzed clamps.....	per set	13 00
*G-438	Solid Leg Holders, stirrups and plated clamps.....	per set	11 50
*G-442	Solid Leg Holders, stirrups and bronzed clamps.....	per set	9 75

REPORT CLIP.

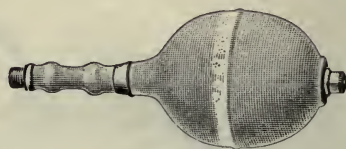
G-444 Haslam'sper dozen 2 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Rubber Operating Cushions



G-362



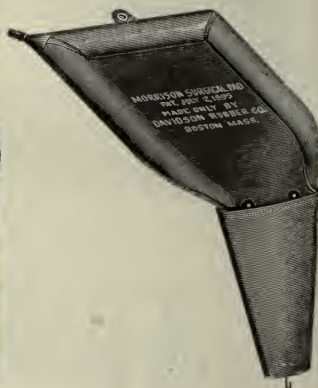
G-416



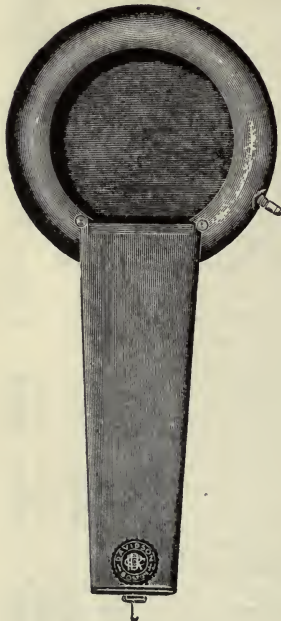
G-390



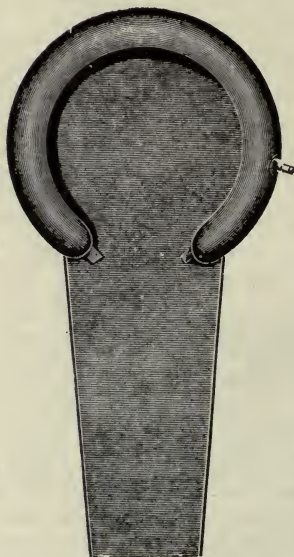
G-400-405



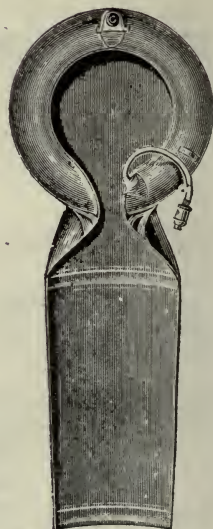
G-410-415



G-380-385



G-370-375



G-355-360

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Surgeon's Rubber Gloves



G-335-344



G-352



G-320

SURGEON'S RUBBER FINGER COTS.

G-320	Tissue, rolled, assorted, 1 dozen in box, per box.....	\$ 25
*G-325	Light weight, small, medium or large, per dozen.....	30
*G-328	Medium weight, small, medium or large, per dozen.....	35
*G-330	Heavy weight, small, medium or large, per dozen.....	40
*G-331	Examination, with one finger, small, medium or large, per dozen.....	3 00
*G-332	Examination, with two fingers, small, medium or large, per dozen.....	3 50
*G-333	Examination, with three fingers, small, medium or large, per dozen.....	4 20

SURGEON'S RUBBER GLOVES.

G-335	Pure Rubber, seamless, light, smooth finish, sizes 5½ to 10.....	pair 75
G-340	Pure Rubber, seamless, medium, smooth finish, sizes 5½ to 10.....	pair 85
G-345	Pure Rubber, seamless, heavy, smooth finish, sizes 5½ to 10.....	pair 1 00
G-338	Pure Rubber, seamless, light, rough finish, sizes 5½ to 10.....	pair 85
G-342	Pure Rubber, seamless, medium, rough finish, sizes 5½ to 10.....	pair 1 00
G-344	Pure Rubber, seamless, heavy, rough finish, sizes 5½ to 10.....	pair 1 10
C-352	Pure Rubber, hand made, seamed, sizes 7, 8, 9, 10 and 11.....	pair 3 50

OBSTETRIC, WITH LONG GAUNTLETS.

C-350	Pure Rubber, seamless, medium, smooth finish, sizes 6½ to 10.....	pair 2 00
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RUBBER CEMENT

*C-354	Rubber Cement, for repairing gloves and other rubber goods, put up in collapsible tubes, each with a piece of patching rubber.....	per tube 15
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SURGEON'S OPERATING CUSHIONS.

G-362	Edebohl's, kidney	4 50
G-355	Hygeia, reversible, 20 in. wide, 44 in. long.....	5 00
G-360	Hygeia, reversible, 24 in. wide, 44 in. long.....	5 50
*G-365	Kelly's, perineal, 14 in. wide, 31 in. long.....	4 00
G-370	Kelly's, general surgical, 20 in. wide, 44 in. long.....	5 00
G-375	Kelly's, obstetrical, 24 in. wide, 50 in. long.....	5 50
G-380	Kelly's, improved, tubular apron, 20 in. wide, 44 in. long.....	6 00
G-385	Kelly's, improved, tubular apron, 24 in. wide, 50 in. long.....	6 50
G-390	Morrison's, obstetrical, square form, 31 in. wide, 33 in. long.....	6 50
*G-395	Morrison's, perineal, round form, 17 in. diameter, apron 24 in. long.....	4 50
G-400	Morrison's, general surgical, 20 in. outside diameter.....	5 00
G-405	Morrison's, laparotomy, 24 in. outside diameter.....	5 50
G-410	Morrison's, general surgical, detachable tubular apron, 20 in.....	6 00
G-415	Morrison's, laparotomy, detachable tubular apron, 24 in.....	6 50
G-416	Inflator, Bulb, for surgical cushions.....	50

Owing to the unstable condition of the rubber market, we reserve the right to change our prices on rubber goods without notice.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Irrigators, Etc.



G-1115



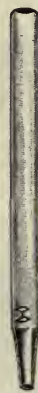
G-1120



G-1100



G-1105



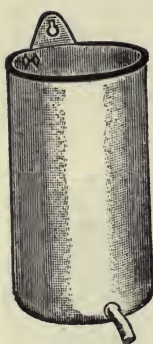
G-1110



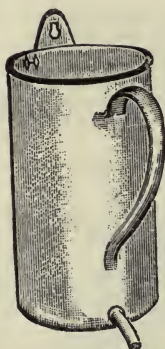
G-1130



G-1137



G-1060



G-1065



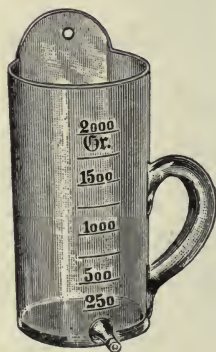
G-1070



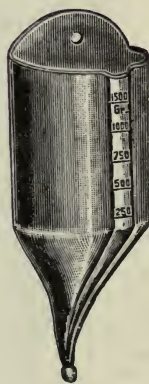
G-1075



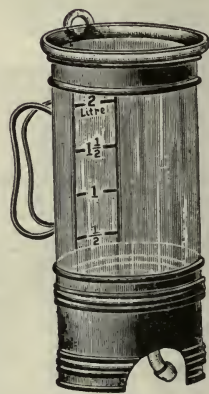
G-1045



G-1030



G-1040



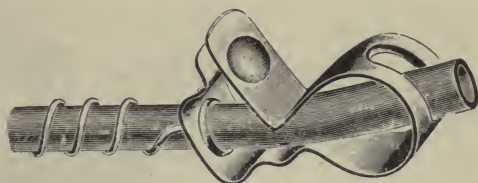
G-1055

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Irrigators, Etc.



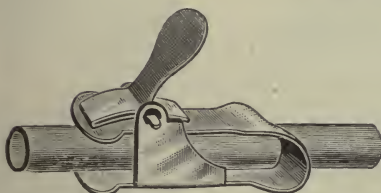
G-1088



G-1085



G-1082



G-1090



G-1092

IRRIGATORS.

*G-1025	Irrigator, glass, graduated, without handle, 1000 gr., \$1.25; 2000 gr., \$1.50; 3000 gr.	\$1 80
G-1030	Irrigator, glass, graduated, with handle, 1000 gr., \$1.35; 2000 gr., \$1.80; 3000 gr.	2 50
G-1040	Irrigator, glass, graduated, funnel shape, 1000 gr., \$1.35; 2000 gr., \$1.75; 3000 gr.	2 00
G-1045	Irrigator, glass, conical form, ½ gal., .60; 1 gal., .75; 2 gal., \$1.25; 3 gal.	2 00
G-1055	Irrigator, glass, with graduated metal frame, 1000 gr., .90; 2000 gr., \$1.35; 3000 gr.	1 85
G-1060	Irrigator, white enameled steel ware, seamless, 1 qt., .80; 2 qt., \$1.00; 3 qt., \$1.20; 4 qt.	1 35
G-1065	Irrigator, white enameled steel ware, seamless, 1 qt., .90; 2 qt., \$1.15; 3 qt., \$1.25; 4 qt.	1 50
G-1070	Irrigator, white enameled steel ware, seamless, 1 qt., \$1.00; 2 qt., \$1.25; 3 qt.	1 50
G-1075	Irrigator, white enameled steel ware, conical form, with rimmed enamel cover, 1 gal., \$2.50; 1½ gal., \$3.50; 2 gal.	4 00

IRRIGATOR CUT-OFFS.

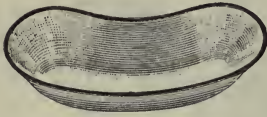
G-1090	American pattern, metal, per doz., .60; each	10
G-1092	American pattern, metal, per doz., .60; each	10
*G-1080	Collins'	1 00
G-1082	Esmarch's, hard rubber, with 2 tips	1 00
G-1085	German pattern, metal, per doz., \$3.00; each	35
G-1088	Stop Cock, hard rubber	25
*G-1098	Valentine's, metal, with shield, \$1.50; without shield	1 00

IRRIGATOR TIPS.

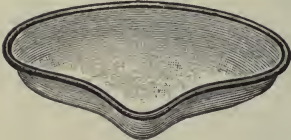
G-1100	Plain, glass, per dozen, .40; each	05
G-1105	Conical, glass, per dozen, .75; each	10
G-1110	Enema, glass, per dozen, .40; each	05
G-1115	Valentine's, urethral, glass, per dozen, .75; each	10
G-1120	Valentine's, urethral, glass, per dozen, .75; each	10
G-1130	Vaginal, straight, glass, per dozen, .75; each	10
*G-1135	Vaginal, curved, glass, per dozen, .75; each	10
G-1137	Vaginal, heavy, glass, (also used for abdominal douching) per doz., \$1.25; each	15

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Basins, Bottles, Jars, Etc.



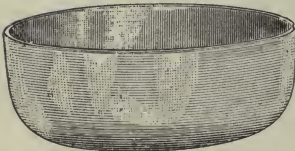
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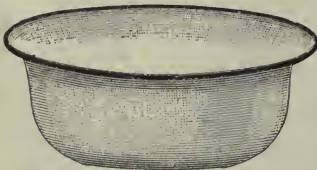
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G-935



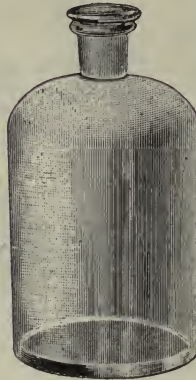
G-945



G-965



G-960



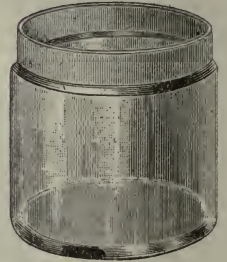
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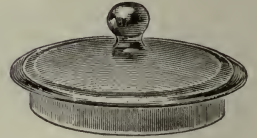
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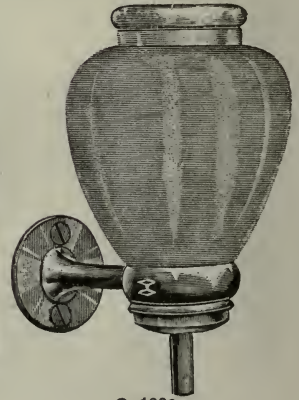
G-985



G-1145



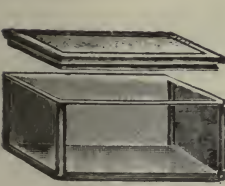
G-1150



G-1300

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Boxes and Jars



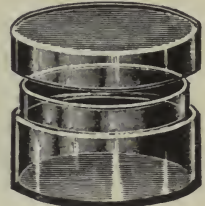
G-990



G-1007



G-1156



G-1005



G-1154



G-995



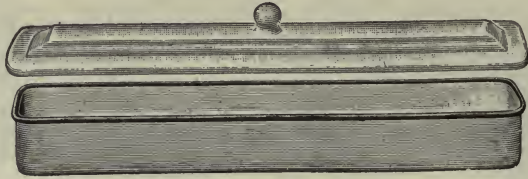
G-1140

BASINS, BOTTLES, BOXES, JARS.

*G-925	Basin, Dressing, glass, kidney shaped, 8-in., .65; 10-in., .80; 12-in.....	\$1 35
*G-928	Basin, dressing, papier mache, No. 1, 6½ in., .20; No. 2, 8½ in., .25; No. 3, 10½ in., .35; No. 4, 12½ in.....	50
G-930	Basin, Dressing, white steel enamel ware, kidney shaped, 6-in., .35; 8-in., .40; 10-in., .50; 12-in.....	85
G-935	Basin, Dressing, white steel enamel ware, Smith's universal pattern.....	1 00
G-940	Basin, Dressing, white steel enamel ware, triangular shape.....	1 25
G-945	Basin, glass, crystal, 6-in., .65; 7½-in., .75; 9¼-in., \$1.00, 11¼-in., \$1.75; 13¼ in.	6 00
*G-950	Basin, glass, blue, 6-in., .70; 7½-in., .80; 9¼-in., \$1.25; 11¼-in., \$1.85; 13¼ in.	3 50
*G-955	Basin, glass, ruby, 6-in., \$1.35; 7½-in., \$2.00; 9¼-in., \$3.00; 11¼-in., \$4.00; 13¼ in.	6 00
G-960	Basin, white steel enamel ware, shallow, 8-in., .25; 10-in., .35; 12-in., .45; 14-in., .60; 16-in.....	90
G-965	Basin, white steel enamel ware, deep form, 8-in., .35; 10-in., .50; 12-in., .70; 14-in., .90; 16-in.....	1 35
G-970	Bottle, crystal, with narrow mouth, ground stopper, 1 gal., \$1.00; 2 gal., \$2.00; 3 gal.	2 65
G-975	Bottle, crystal, with wide mouth, ground stopper, 1 gal., \$1.50; 2 gal., \$2.25; 3 gal.	3 00
*G-980	Bottle, crystal, narrow mouth, with tubulature, 1 gal., \$2.25; 2 gal., \$4.00; 3 gal.	5 00
G-985	Bottle, crystal, wide mouth, with tubulature and perforated ground stopper, 1 gal., \$4.00; 2 gal., \$5.75; 3 gal.....	8 00
G-990	Box, glass, for brushes, size 2 in. wide, 5 in. long, 2 in. deep.....	1 50
G-995	Box, glass, for gauze, size 5½ in. wide, 7 in. long, 4¼ in. deep.....	5 00
G-1000	Box, glass, for gauze, size 6½ in. wide, 10 in. long, 4¼ in. deep.....	6 75
G-1005	Box, glass, for needles, 2-in., .25; 2½-in., .30; 3¼-in., .40; 4-in., .50; 4½-in.	60
G-1007	Box, white enamelled steel, 2x3¼-in., .70; 2½x4 in.	90
G-1140	Jars, glass, crystal, ordinary, 1 qt., .50; 2 qt., .55; 3 qt., .60; 4 qt.	70
G-1145	Jars, glass, crystal, fine, 4x4 in., .75; 4¼x4¼ in., \$1.00; 6x6 in., \$1.35; 8¼x8¼ in., \$2.75; 8¼x12 in., \$3.75; 10x10 in.....	4 25
G-1150	Jars, new S. S. pattern, glass, crystal, with ground in, air tight and dust proof overlapping cover.	
	Height, in. ....1½ 2 2½ 2½ 3¼ 4 4 5 6 7 8	
	Diameter, in. ....1½ 2 2½ 3¼ 3¼ 4 5 5 6 7 8	
	Price .....40 .45 .50 .70 .75 1.15 1.35 1.75 2.25 3.25 4.00	
*G-1152	Jars, glass, crystal, round knob, loosely fitting cover, 4x4 in., .55; 4¼x4¼ in., .75; 6x6 in., .90; 8¼x8¼ in., \$1.80; 8¼x12 in., \$2.75; 10x10 in.....	\$3 75
G-1154	Jars, white enamelled steel, for dressings, 4¼x5 in., \$1.20; 5½x6 in., \$1.50; 6½x7 in.,	\$2 25
G-1156	Jars, white enamelled steel, for ointment, 2½x2¼ in.....	60
G-1300	Jar, Lee's, for liquid soap	2 50

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Buckets, Pitchers, Trays, Etc.



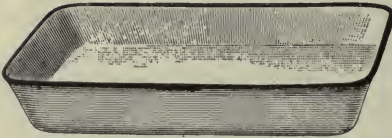
G-1180



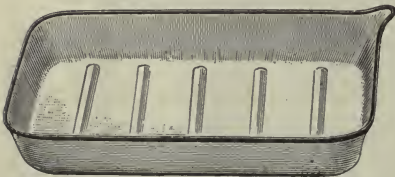
G-1182



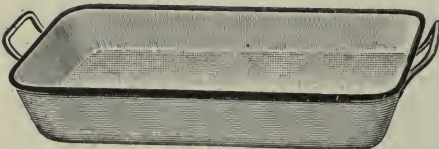
G-1160



G-1200



G-1190



G-1202



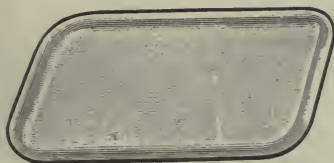
G-1015



G-1010

QUALITY GUARANTEED.—Specify section letter and number in ordering.

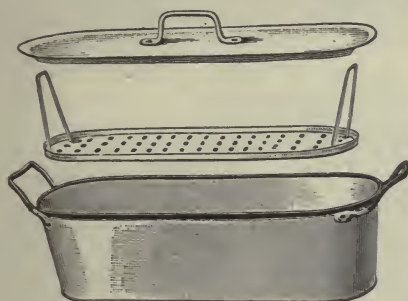
Buckets, Pitchers, Trays, Etc.



G-1206



G-1204



G-1157-1158



G-1155

BUCKETS.

- G-1010 Bucket, plain, white enamelled steel ware, 8 qts., \$1.15; 12 $\frac{1}{2}$ qts., \$1.60; 15 $\frac{1}{2}$ qts., \$2.00; 18 qts..... \$2 50
- G-1015 Bucket, white enamelled steel ware, for soiled dressings, with perforated drain for separating dressings from the fluids..... 5 50

PITCHERS.

- G-1155 Pitcher, white enamelled steel ware, 2 qts., \$1.25; 3 qts., \$1.35; 4 qts..... 1 50

STERILIZERS.

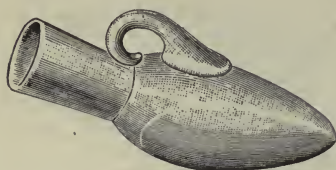
- G-1157 Sterilizer, white enamelled ware, 16 in. long.....each 4 00
- G-1158 Sterilizer, white enamelled steel ware, 18 in. long.....each 5 00

TRAYS.

- *G-1160 Tray, glass, straight walls, with glass cover, 10x3x2 inches..... 5 25
- *G-1165 Tray, glass, long form, with knobbed cover, 10x2 in., \$3.00; 12x2 $\frac{1}{2}$ in..... 4 50
- *G-1170 Tray, glass, square form, crystal, polished edges, 6 $\frac{1}{2}$ x5 $\frac{1}{2}$ in., .75; 8 $\frac{1}{2}$ x6 $\frac{1}{2}$ in., \$1.25; 10 $\frac{1}{2}$ x8 $\frac{1}{2}$ in., \$2.00; 12 $\frac{1}{2}$ x9 $\frac{1}{2}$ in., \$2.25; 14 $\frac{1}{2}$ x12 $\frac{1}{2}$ in..... 4 00
- G-1175 Tray, glass, oblong form, crystal, straight walls, 6 $\frac{1}{2}$ x4 $\frac{1}{2}$ x1 $\frac{1}{2}$ in., .70; 9x4 $\frac{1}{2}$ x2 in., \$1.00; 10 $\frac{1}{2}$ x6 $\frac{1}{2}$ x2 $\frac{1}{4}$ in., \$1.60; 12x7x2 $\frac{1}{4}$ in., \$2.10; 13 $\frac{1}{2}$ x8 $\frac{1}{2}$ x2 $\frac{1}{4}$ in., \$3.10; 15 $\frac{1}{2}$ x9 $\frac{1}{2}$ x3 in..... 5 00
- G-1180 Tray, white enameled steel ware, with cover, 15 $\frac{1}{2}$ x3x2 $\frac{1}{2}$ in..... 2 00
- G-1182 Tray, white enameled steel ware, narrow, shallow, 8 $\frac{1}{4}$ x3 $\frac{1}{4}$ x1 $\frac{1}{4}$ inches, .75; 12 $\frac{1}{4}$ x4x1 $\frac{1}{4}$ inches, \$1.10; 16 $\frac{1}{2}$ x4 $\frac{1}{4}$ x1 $\frac{1}{4}$ inches 1 60
- G-1190 Tray, white enameled steel ware, with lip, 15x9x2 inches 2 00
- *G-1200 Tray, white enameled steel ware, deep form, without handles:
- | Inches. | | Inches. | |
|---|--------|---|--------|
| 8 $\frac{1}{4}$ x 5 $\frac{1}{2}$ x2 | \$0 75 | 15 x 9 x2 $\frac{1}{2}$ | \$3 00 |
| 10 $\frac{1}{4}$ x 6 $\frac{1}{4}$ x2 $\frac{1}{4}$ | 1 00 | 16 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x2 $\frac{1}{4}$ | 2 25 |
| 11 $\frac{1}{4}$ x 7 $\frac{1}{2}$ x2 $\frac{1}{2}$ | 1 25 | 18 $\frac{1}{4}$ x10 x3 | 2 75 |
| 13 $\frac{1}{2}$ x 8 $\frac{1}{4}$ x2 $\frac{1}{2}$ | 1 60 | 20 x12 x3 | 3 25 |
- G-1202 Tray, white enamelled steel ware, deep form, with handles:
- | Inches. | | Inches. | |
|---|--------|---|--------|
| 10 $\frac{1}{4}$ x 6 $\frac{1}{4}$ x2 $\frac{1}{4}$ | \$1 00 | 11 x 7 $\frac{1}{4}$ x2 $\frac{3}{4}$ | \$1 10 |
| 13 $\frac{1}{2}$ x 8 $\frac{1}{4}$ x2 $\frac{1}{2}$ | 1 60 | 14 $\frac{1}{4}$ x 8 $\frac{1}{2}$ x2 $\frac{1}{4}$ | 1 75 |
| 16 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x2 $\frac{1}{2}$ | 2 25 | 17 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x2 $\frac{1}{2}$ | 2 50 |
| 20 x12 x3 | 3 25 | | |
- G-1204 Tray, white enameled steel ware, round, 8 in., .70; 10 in., \$1.10; 12 in..... 1 35
- G-1206 Tray, white enameled steel ware, oblong, 9x12 in., \$1.15; 12x16 in., \$1.75; 15x20 in., \$2.50; 18x22 in..... 3 75

QUALITY GUARANTEED.—Specify section letter and number in ordering.

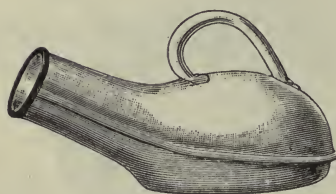
Sick Room Utensils



G-1350



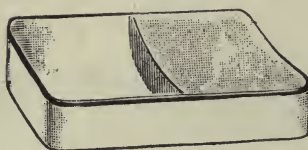
G-1356



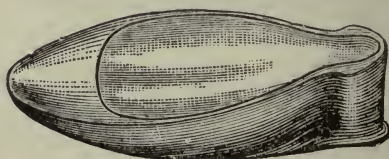
G-1360



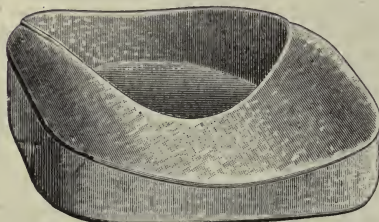
G-1365



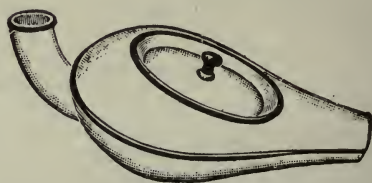
G-1235-1240



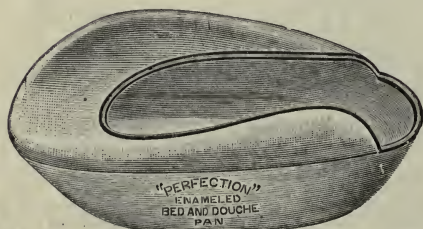
G-1210



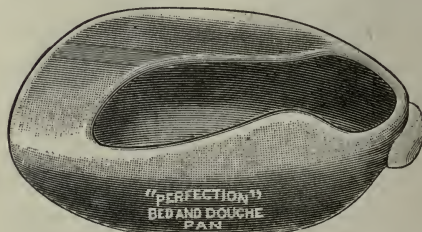
G-1230



G-1215-1217



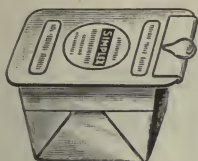
G-1227-1228



G-1220-1222

QUALITY GUARANTEED.—Specify section letter and number in ordering.

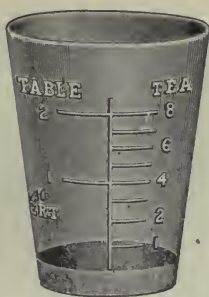
Sick Room Sundries



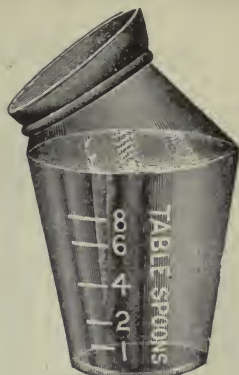
G-1318-1322



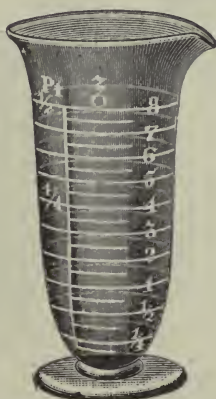
G-1275



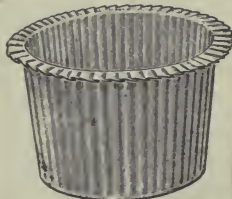
G-1245



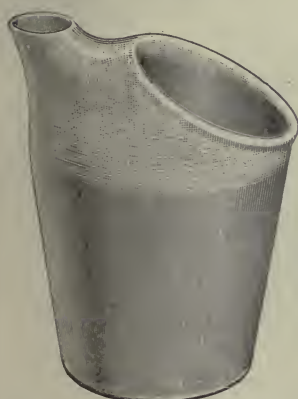
G-1250



G-1265



G-1315-1316



BED PANS.

G-1210	Bed Pan, Eureka, porcelain	doz. \$9 00	each \$0 75
G-1215	Bed Pan, French slipper pattern, white steel enameled ware	doz. 15 00	each 1 75
G-1220	Bed Pan, Perfection, porcelain, No. 1, standard size.....	doz. 33 00	each 3 00
G-1222	Bed Pan, Perfection, porcelain, No. 2, small size.....	doz. 27 00	each 2 50
*G-1225	Bed Pan, Perfection, grey enamel, No. 3, standard size.....	doz. 54 00	each 5 00
*G-1226	Bed Pan, Perfection, grey enamel, No. 5, small size.....	doz. 45 00	each 4 00
G-1227	Bed Pan, Perfection, white enamel, No. 4, standard size.....	doz. 63 00	each 6 00
G-1228	Bed Pan, Perfection, white enamel, No. 6, small size.....	doz. 58 50	each 5 25

DOUCHE PANS.

G-1230	Douche Pan, Ideal, white enameled steel ware.....	doz. 84 00	each 8 00
G-1235	Douche Pan, Standard, white enameled steel ware.....	doz. 15 00	each 1 50

FEEDING AND DRINKING CUPS.

G-1245	Ideal, glass	doz. 2 50	each 25
G-1250	Simplex, No. 10, porcelain	doz. 5 50	each 50
*G-1252	Simplex, No. 12, white steel enameled ware.....	doz. 13 50	each 1 25

GRADUATES.

G-1265	Glass, graduated in ounces, 1 oz., .15; 2 oz., .20; 4 oz., .25; 8 oz., .35; 16 oz.....		55
*G-1270	Glass, graduated in metric and ounces, 30 cc., .25; 60 cc., .30; 125 cc., .40; 250 cc., .60; 500 cc., .90; 1000 cc.....		1 50

MEDICINE GLASSES.

G-1275	Glass, moulded	doz. 50	each 05
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SPIT CUPS.

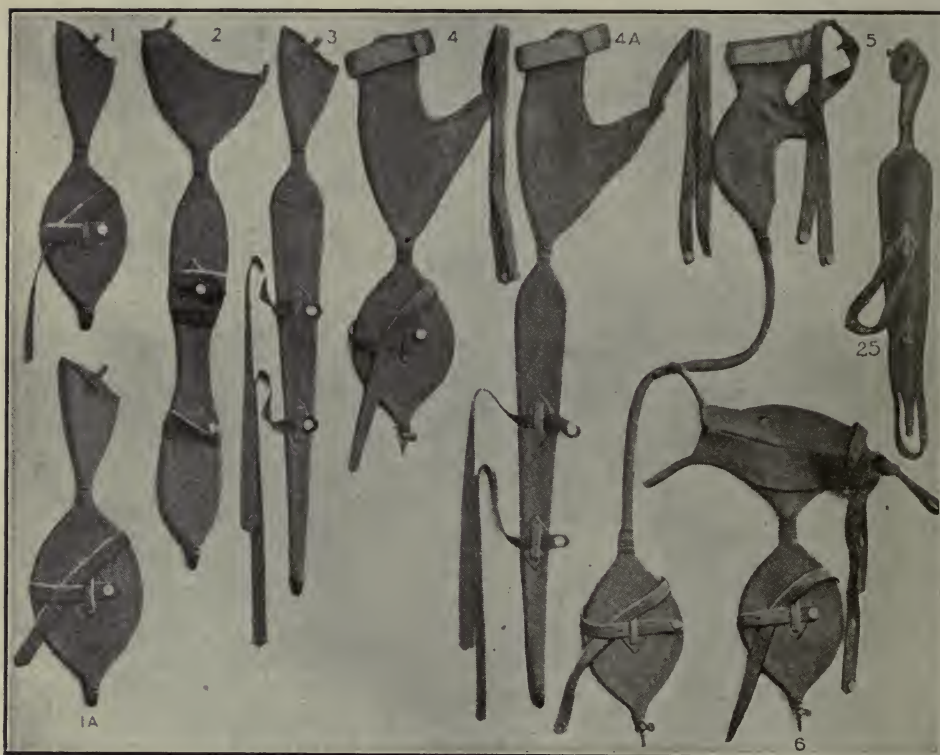
G-1315	Spit Cup, white enameled steel ware, hinged cover.....	doz. 9 60	each 1 00
G-1316	Spit Cup Filler, made of fluted paper.....	per hundred 3 00	
G-1318	Spit Cup, Simplex, paper, with hinged cover.....	per hundred 3 00	
G-1322	Spit Cup Holder, Simplex, wire.....	doz. 1 50	

URINALS.

G-1350	Male, glass, plain	doz. 5 00	each 50
*G-1352	Male, glass, graduated	doz. 7 50	each 75
*G-1355	Female, glass, plain	doz. 5 00	each 50
G-1356	Female, glass, graduated	doz. 7 50	each 75
G-1360	Male, white steel enameled ware	doz. 10 80	each 1 00
G-1365	Female, white steel enameled ware	doz. 12 00	each 1 15

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Rubber Goods for Invalids



PURE RUBBER URINALS.

Our Urinals are made of the best Para rubber, with tight fitting joints and of the neatest and most practical designs.

G-1370	Urinal, soft rubber, male, No. 1.....	\$2 25
G-1375	Urinal, soft rubber, male, No. 1A.....	2 50
G-1385	Urinal, soft rubber, male, No. 2.....	2 75
G-1390	Urinal, soft rubber, male, No. 3.....	2 75
G-1395	Urinal, soft rubber, male, No. 4.....	4 75
G-1400	Urinal, soft rubber, male, No. 4A.....	5 00
G-1405	Urinal, soft rubber, male, No. 5, day and night.....	6 00
G-1410	Urinal, soft rubber, female, No. 6.....	4 75
*G-1380	Urinal, soft rubber, female, complete with waist band and straps, especially constructed with an invisible, flexible copper wire inserted in a cushion around the mouth of the urinal, allowing the top to be shaped to fit any perineum, also holding the mouth open in a fixed position under all conditions. The most satisfactory female urinal made. Price.....	6 25
G-1415	Urinal, soft rubber, male, No. 25.....	5 00
G-1420	Urinal, soft rubber, male, Continental pattern, day and night, of same size and shape as the No. 25, but with waist band and perineum straps added	6 50

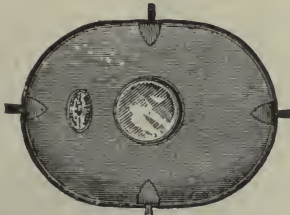
Owing to the unstable condition of the rubber market, we reserve the right to change our prices on rubber goods without notice.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Ice Caps and Bags, Water Bottles, Sheeting, Etc.



G-1550



G-1535-1537



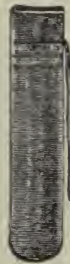
G-1495



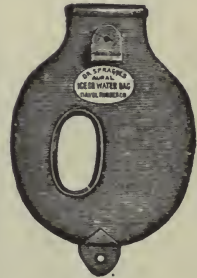
G-1530



G-1545



G-1500



G-1538

ICE BAGS.

*G-1490	Plain, long shape, pure rubber, 9½x3¼ in. .25; 10¾x3¾ in.....	\$0 35
G-1495	Plain, square shape, pure rubber, 10x5¼ in. .45; 11½x5¾ in.....	50
G-1500	Spinal, pure rubber, 14 in., \$1.25; 16 in., \$1.50; 18 in., \$1.75; 20 in., \$2.00; 22 in.....	2 25
*G-1505	Throat, pure rubber, 7 in., .70; 8 in., .75; 9 in., .80; 10 in., .85; 11 in.....	90
*G-1520	Perfection, slate colored rubber, 5x9 in., \$2.00; 6x11 in., \$2.50; 7x13 in.....	3 00
*G-1522	Perfection, maroon colored rubber, 5x9 in., \$2.25; 6x11 in., \$2.75; 7x13 in.....	3 25
G-1530	English, best checked rubber cloth, extra heavy, 6 in., .75; 9 in., \$1.00; 12 in.	1 35
G-1535	Davol's, pure rubber, screw cap, 8x11 in.....	1 50
G-1537	Davol's, maroon rubber, screw cap, 8x11 in.....	1 50

ICE CAPS.

*G-1540	Davol's, helmet shape, white rubber, small, \$2.00; medium, \$2.25; large.....	2 50
G-1545	Davol's, helmet shape, pure rubber, with screw cap, small, \$3.00; medium, \$3.25; large	3 50

WATER BOTTLE.

G-1550	Spinal, white rubber, 14 in., \$2.00; 16 in., \$2.25; 18 in., \$2.50; 20 in., \$2.75; 24 in., \$3.25; 28 in.....	3 75
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WATER COILS.

*G-1552	Abdominal, maroon rubber, 8 in., \$3.50; 10 in., \$4.00; 12 in.....	4 50
*G-1554	Abdominal, pure rubber, 7 in., \$3.50; 8½ in., \$3.75; 10 in., \$4.00; 11½ in.....	4 50
*G-1556	Head, maroon rubber, 6 in., \$4.00; 7 in., \$4.25; 7½ in.....	4 50

RUBBER SHEETING.

*G-1558	Black, single coated, 27 in., per yard, .70; 36 in., per yard, .90; 45 in., per yard, \$1.20; 54 in., per yard	1 50
*G-1559	Maroon, single coated, 27 in., per yard, \$1.25; 36 in., per yard, \$1.50; 45 in., per yard, \$2.00; 54 in., per yard.....	2 50
*G-1562	White, single coated, 27 in., per yard, .70; 36 in., per yard, .90; 45 in., per yard, \$1.20; 54 in., per yard	1 50
*G-1560	Black, double coated, 36 in., per yard, \$1.80; 54 in., per yard.....	3 00
*G-1564	Maroon, double coated, 36 in., per yard, \$2.50; 54 in., per yard.....	3 75
*G-1566	White, double coated, 36 in., per yard, \$1.80; 54 in., per yard.....	3 00

Special prices by the roll.

Owing to the unstable condition of the rubber market, we reserve the right to change our prices on rubber goods without notice.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

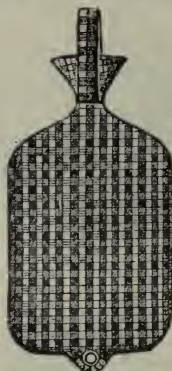
Hot Water Bottles and Fountain Syringes



G-1445



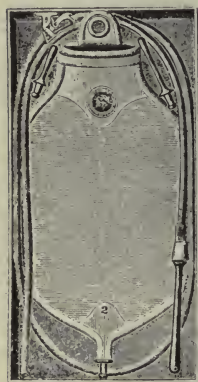
G-1450



G-1455



G-1460



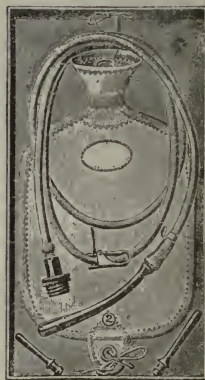
G-1425



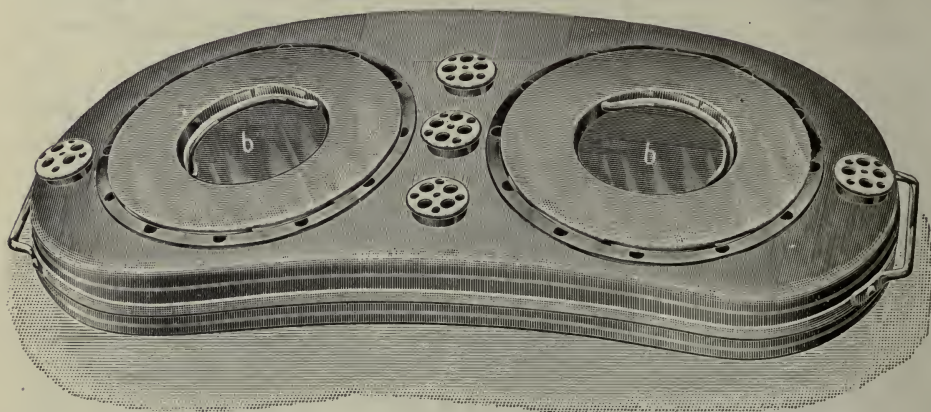
G-1430



G-1435



G-1440

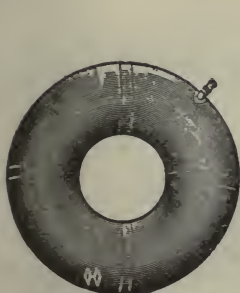


G-1488

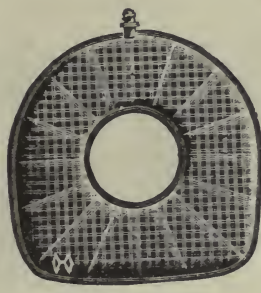
Owing to the unstable condition of the rubber market, we reserve the right to change our prices on rubber goods without notice.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

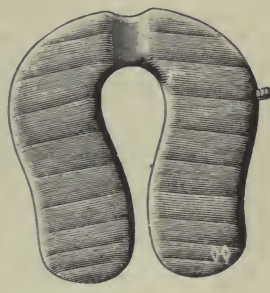
Invalid Cushions, Air and Water Beds



G-1485



G-1475



G-1480

FOUNTAIN SYRINGES.

- G-1425 Fountain Syringe, made of white rubber, complete with tubing, cut-off, with vaginal, large and small rectal pipes of hard rubber; syringe is rapid flow. Packed in paper box. 1 qt., .85; 2 qt., \$1.00; 3 qt., \$1.15; 4 qt. \$1 25
- G-1430 Fountain Syringe, made of the best white compound rubber, oval shape, with large tubing for rapid flow, cut-off, vaginal, large and small rectal pipes of hard rubber. Packed in paper box. 1 qt., \$1.00; 2 qt., \$1.15; 3 qt., \$1.25; 4 qt. 1 35
- G-1435 Fountain Syringe, made of the best maroon compound rubber, funnel shape, with large tubing for rapid flow, cut-off, vaginal, large and small rectal pipes of hard rubber, and screw hook for hanging. Packed in paper box. 1 qt., \$1.50; 2 qt., \$1.75; 3 qt., \$2.00; 4 qt. 2 50
- G-1440 Fountain Syringe and Hot Water Bottle, made of the best white rubber compound, with large tubing for rapid flow, cut-off, vaginal, large and small rectal pipes of hard rubber, and with stopper for use as a hot water bottle. Packed in paper box. 1 qt., \$1.75; 2 qt., \$2.00; 3 qt., \$2.25; 4 qt. 2 50
- Note.—The syringes listed above do not want to be compared with the cheap thrash of the dry goods and mail order houses. They represent the best in material, design and finish and the values are all we ask for them.

HOT WATER BOTTLES.

- G-1445 Hot Water Bottle, made of the best white rubber compound, with reinforced seams. Packed in paper box. 1 qt., .75; 2 qt., \$1.00; 3 qt., \$1.25; 4 qt. 1 50
- G-1450 Hot Water Bottle, made of the best maroon rubber compound, with extra heavy reinforced seams. Packed in paper box. 1 qt., \$1.35; 2 qt., \$1.75; 3 qt., \$2.00; 4 qt. 2 25
- G-1455 Hot Water Bottle, made of the best white or slate colored rubber compound, with reinforced seams. Covered with flannel. Packed in paper box. 1 qt., \$1.00; 2 qt., \$1.10; 3 qt., \$1.25; 4 qt. 1 50
- G-1460 Hot Water Bottle, made of the best tan rubber compound, with cloth insertion, very strong and light. Packed in paper box. 2 qt., \$1.50; 3 qt., \$1.75; 4 qt. 2 00

G-1488. DEHA-CALORIA FACE, BODY AND BED WARMERS.

They are absolutely safe, they are light, they cannot leak, they are permanent, they are satisfactory, they are clean, no rubber to deteriorate, they will retain heat for five or six hours, and are less expensive to operate than any other body warming apparatus. Operated by methyl alcohol, one spoonful producing heat for five or six hours. No flame. No danger. Send for special circular. Price, from \$1.75 to..... 7 50

PNEUMATIC AIR GOODS.

- *G-1470 Air Bed, 32x80 in., \$25.00; 42x80 in., \$33.00; 52x80 in. 42 00
- *G-1472 Water Bed, 32x80 in., \$25.00; 42x80 in., \$33; 52x80 in. 42 00
- G-1475 Air Cushion, chair, hospital pattern, 17½ in. 3 50
- G-1480 Air Cushion, horse shoe shape, 14 in., \$3.00; 16 in. 3 25
- G-1485 Air Cushion, round, 8 in., \$1.35; 10 in., \$1.75; 12 in., \$1.85; 14 in., \$2.00; 16 in., \$2.35; 18 in. 2 75

Owing to the unstable condition of the rubber market, we reserve the right to change our prices on rubber goods without notice.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Invalid Comforts

THE "STANDARD" BEDSIDE TABLE.

For those desiring a good substantial bedside table at a moderate price, we can recommend our "Standard" table. It is substantially made, is adjustable in height, the table or tray can be set at any angle. It is well finished and will meet the requirements of those who cannot afford to pay a higher price.

The top is made of oak or birds-eye maple, as listed, and is finished in natural grain. The frame is enameled in black, brown or white.

- G-1585 The "Standard" Bedside Table No. 30, black enameled metal parts, oak top, 18x24 inches..... \$4 50
 G-1587 The "Standard" Bedside Table No. 1, brown enameled metal parts, oak top, 18x27 inches..... 5 00
 G-1589 The "Standard" Bedside Table No. 2, white enameled metal parts, birds eye maple top, 18x27 inches 5 00



G-1585-1589

THE "STANDARD" BEDSIDE TABLE.

There is no problem of the sick room so hard to solve as that of serving a meal to one sick in bed. A tray is unsatisfactory and uncomfortable, and a side table is almost out of the question on account of inconvenience.

Our "White Line" bedside table overcomes all of these objections, being a combination of the tray and table so constructed as to give the greatest comfort with the most convenience. It is made with gray iron base that permits the tray or table to project over the bed—the tray adjustable to any height or any angle.

The tray, 14x20", is of steel, coated with snow white porcelain enamel, making it sanitary and clean. The telescoping bar and sector are polished and nickel plated. The upright and base finished in white enamel.

Price\$10 00

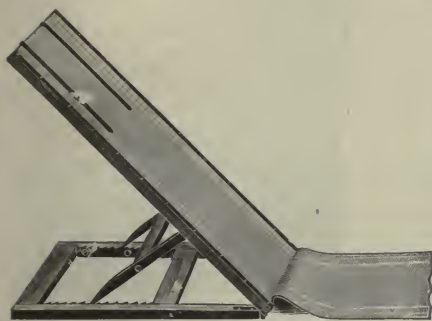
QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.



SCANLAN-MORRIS CO
MANUFACTURERS
MADISON WIS. U.S.A.

Invalid Comforts



G-1565

GOLD MEDAL BACK REST NO. 101.

These back rests are made so that they are easily adjusted by means of iron ratchets, so attached that it is impossible for the back rest to collapse. They have no cross bars to come in contact with the patient's back, and are furnished with aprons upon which the patient sits to hold them in place. Each rest is furnished with straps to hold a pillow.

The frames are made of hard wood, nicely varnished and covered with a good quality of linen or duck and are tastily trimmed.

G-1565 Gold Medal Back Rest No. 101, nicely varnished and covered with a good quality of linen	\$2 50
G-1566 Gold Medal Back Rest No. 105, same as No. 101, varnished, and covered with duck or striped material..	1 75

GOLD MEDAL BACK REST NO. 104.

This back rest is made on the same lines as our No. 101, but has in addition the two arm and side head rests. The same care is exercised in their manufacture and all thought and care has been brought to bear to give the greatest patient comfort.

*G-1570 Gold Medal Back Rest No. 104, nicely varnished and covered with linen \$4 00

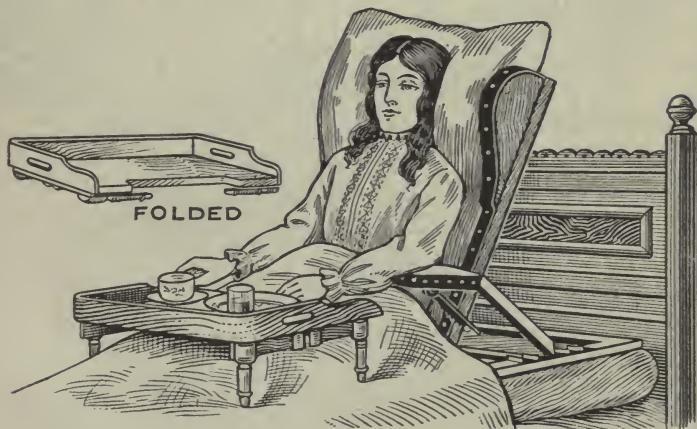
G-1571 Gold Medal Back Rest No. 102, nicely varnished and covered with linen, same as B104, without the head rests... 3 25

*G-1572 Gold Medal Back Rest No. 103, nicely varnished and covered with linen, same as B104, without the arm rests... 3 25



G-1571

Showing Pillow Attached by Straps.



G-1574

G-1574. THE GOLD MEDAL FOLDING BED TRAY NO. 136.

These bed trays are made of hardwood, finished and varnished in the best manner. The legs are held in position either when folded or open by a strong brace, and the trays are substantial in every way. Folded they are only 3x15x23 inches.

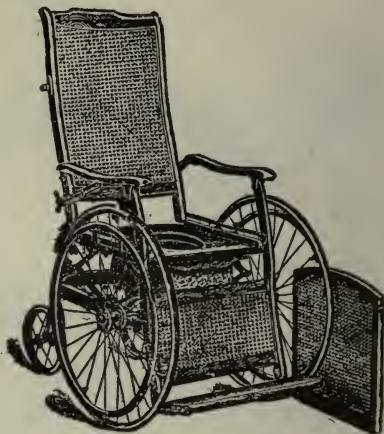
Price \$3 00

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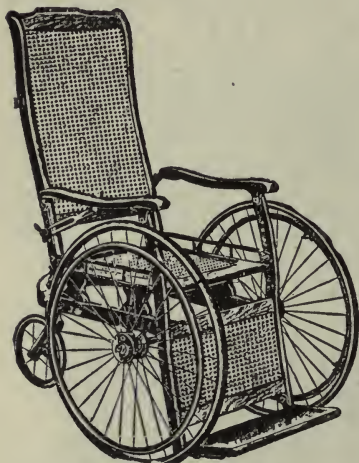
Invalid Comforts



G-1620



G-1630



G-1615



G-1635

ROLLING CHAIRS.

- G-1615 Invalid Rolling Chair, reclining, oak frame, cane seat and back, folding foot board, one of our most popular patterns. Price with oval steel rims, plain bearings\$20 00
 Price with rubber cushion tires, plain bearings 30 00
 Note.—Made in child's size at same price.
- G-1620 Invalid Rolling Chair, reclining, divided leg rest, acting independently, adjustable in length as well as height. Oak frame, cane seat and back. Price with oval steel rims, plain bearings 25 00
 Price with rubber cushion tires, plain bearings 35 00
 Note.—Made in child's size at same price.
- *G-1625 Invalid Rolling Chair, reclining, similar to G-1620, with undivided foot rest. Price with oval steel rims, plain bearings 25 00
 Price with rubber cushion tires, plain bearings 35 00
- G-1630 Invalid Rolling Chair, reclining, oak frame, cane back and seat, with com-mode attachment, and removable cane seat. Price with oval steel rims, plain bearings 25 00
 Price with rubber cushion tires, plain bearings 35 00
 Note.—Made in child's size at same price.
- G-1635 Invalid Rolling Chair, oak frame, cane back and seat, not adjustable. Mounted on elliptic springs. Designed for street use. Price, back wheels with steel rims, front wheels cushion tired..... 30 00
 Price, back and front wheels cushion tired 39 00

Note.—We illustrate only a few of the more popular styles. Complete catalog mailed upon request.

QUALITY GUARANTEED.—Specify section letter and number in ordering.

Prices listed above are f. o. b. factory and freight will be added when shipped from San Francisco.

Invalid Sundries

THE PURITAN BATH CABINET

— and —

THE HOLZBORN HOT AIR APPARATUS.

Manufactured for the past 12 years and Endorsed by Physicians and Every User.



Modern
in
Construction
Material
and
Workman-
ship
the
BEST



The Puritan Bath Cabinet

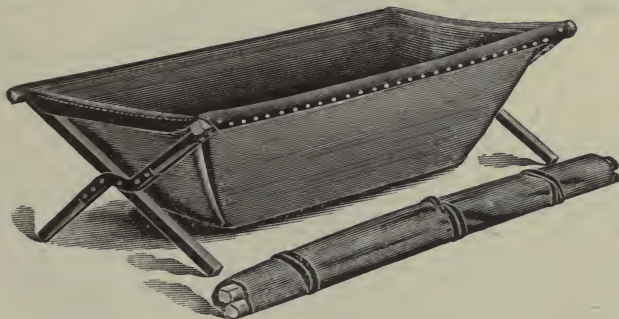
The Holzborn Hot Air Apparatus

G-1652	The Puritan Bath Cabinet, \$4.00; \$5.00; \$7.50; \$10.00.....	\$12 00
*G-1654	The Buckingham Bath Cabinet, \$5.00.....	10 00
G-1656	The Holzborn Hot Air Apparatus, double, oxydized copper finish.....	30 00
G-1658	The Holzborn Hot Air Apparatus, double, knee, oxydized copper finish.....	20 00
G-1662	The Holzborn Hot Air Apparatus, single, aluminum bronze finish.....	18 00
G-1664	The Holzborn Hot Air Apparatus, single, oxydized copper finish.....	20 00
G-1666	The Holzborn Hot Air Apparatus, single, knee, aluminum bronze finish....	15 00

Each apparatus has a door in the cylinder and an adjustable stand. Delivered set up and ready to use. Write for Special Catalogue.

G-1668. THE GOLD MEDAL FOLDING BATH TUB NO. 20H.

Patented Nov. 24, 1903.



G-1668

The most convenient and complete portable bath tub ever invented, and will be found especially useful for hospitals in giving typhoid and for ordinary baths in rooms or ward.

The frame is of hardwood, rock elm, nicely finished, to which we have applied the principle of our patented metal joints by means of which it folds easily and compactly. The frame thus constructed stands firmly on the floor and is kept in the same position no matter how much weight the tub contains.

The cover of this tub consists of very heavy closely woven duck which is coated especially for us, with thoroughly refined, vulcanized rubber, cured and thus rendered tough and pliable. It is as easily cleaned as porcelain.

The shape is well shown in our cut. It is very similar to the metallic tubs. It is not suspended, but rests on the floor about one foot in width the entire length of the tub.

Price\$13 00

Write for Special Catalogue.

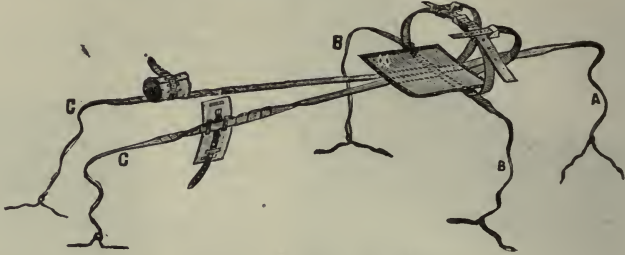
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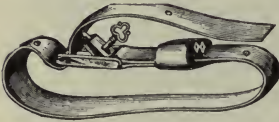
Humane Restraints



G-1688



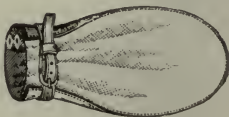
G-1670



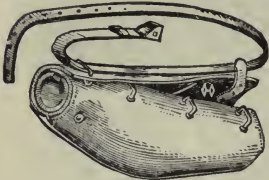
G-1684



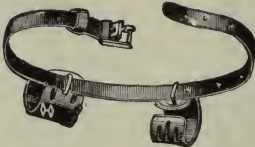
G-1676



G-1672



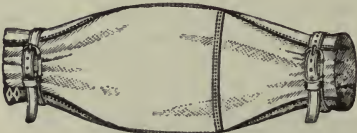
G-1680



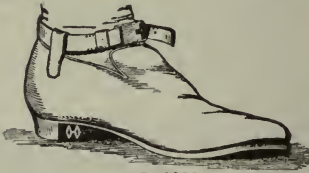
G-1686



G-1678



G-1674



G-1682

G-1670	Bed Strap. This is a new device for keeping delirious patients in bed; it is easily and quickly adjusted to any size person. Price.....	\$10 00
G-1672	Canvas Mitts, with waist strap, per pair	5 00
G-1674	Canvas Muff, with waist strap	5 00
G-1676	Leather Anklet, with large buckles, per pair	6 00
G-1678	Leather Mitts, with waist strap and lock buckle, per pair	8 00
G-1680	Leather Muff, with waist strap and lock buckle, complete	8 00
G-1682	Leather Sole Buckle and Strap, ready for attachment.....	2 50
G-1684	Leather Waist Strap, with improved lock buckle	2 50
G-1686	Leather Wristlets, with waist strap and buckle.....	5 50
G-1688	Straight Jacket, made of very heavy canvas with heavy straps and buckles, sleeves 72 inches long, to admit of their being wrapped around the patient securely; short, \$12.00; long.....	15 00
*G-1690	Straight Jacket, short, plain	6 00
*G-1692	Straight Jacket, long, plain	8 00

G-1690. CASE NO. 2, FOR JAILS, POLICE STATIONS, ETC.

Bed Restraint	\$10 00
Pair Wrist Lock Mitts	8 00
Pair Wrist Lock Wristlets	5 50
Pair Anklets	6 00
Pair Canvas Mitts, with waist strap	5 00
Canvas Muff, without waist strap	2 50
Case	2 00

Total 39 00

QUALITY GUARANTEED.—Specify section letter and number in ordering.

ALPHABETICAL INDEX

A		Page
Abdominal Cooling Coils	569	Antitoxine Needles 60-61
Abdominal Knives	90-97	Antitoxine Syringes 75
Abdominal Retractors	112-113-324	Antrum Canulae 256-257
Abdominal Retractors, Sparks	112-324	Antrum Chisels 250-251
Abdominal Scissors	106-107	Antrum Curettes 251-252
Abdominal Spoons	114-115	Antrum Drills 250-251
Abdominal Supporters	492-493	Antrum Illuminators 253-259
Abortion Curettes	411-413	Antrum Instruments 250-251-258-259
Accessories, Centrifuge	47-48-49	Antrum Perforators 250-251
Accessories, Microscopic	31	Antrum Plugs 256-257
Acne Lancets	278-279	Antrum Punches 254-255
Acoumeters	208-209	Antrum Syringes 256-257
Acoustic Appliances	228-229	Antrum Trocars 250-251
Acupressure Forceps	98	Antrum Tubes 256-257
Adenoid Curettes	260-261	Apparatus, Anchylosis 483
Adenoid Forceps	262-263	Apparatus, Extension 484-485
Adenatomes	260-261	Apparatus, High Frequency 447-448-457
Adhesive Plasters	183	Apparatus, Hot Air 575
Adjustable Beds, Wallace's	555	Apparatus, Infusion 56-57
Adjusters, Suture	400	Apparatus, Laboratory 38-43
Advancement Forceps	200-201	Apparatus, Measuring 557
Aethesiometers	10-11	Apparatus, Orthopedic 462-481
Air Bags	208-209	Apparatus, Sinusoidal 434
Air Beds	571	Apparatus, Suspension 481
Air Cushions	571	Apparatus, X-Ray 446-461
Air Gauge Boards	270-271	Appendix Forceps 322-323
Air Gauges	270-271	Appendix Tucker 114-115
Air Pressure Regulators	270-271	Applicating Forceps, Uterine 372
Air Pumps	270-271	Applicating Syringes, Urethral 338-339
Air Pumps, Electric	270-271	Applicating Syringes, Uterine 374-375
Air Pumps, Hydraulic	270-271	Applicators, Ear 212-213
Albumascopes	50-51	Applicators, Laryngeal 304-305
Albuminometers	50-51	Applicators, Nasal 231
Alcohol Lamps	42-43	Applicators, Rectal 332-333
Allison's Chair, Specialists	505	Applicators, Urethral 338-339
Allison's Examining Chairs	505	Applicators, Uterine 370-371
Allison's Examining Tables	504	Aprons, Operating 189
Allison's Instrument Cabinets	519	Arch Instep Supports 464-465
Allison's Medicine Cabinets	519	Artificial Leeches 52-53
Allison's Office Chairs	525	Aspirating Needles 60-61
Allison's Office Desks	525	Aspirating Syringes 74
Allison's Office Stools	525	Aspirating Trocars 162-163
Allison's Waste Stools	525	Aspirators 165
Aluminum Bronze Wire	157	Aspirators, Stomach 316-317
Aluminum Stem Pessaries	400-401	Atomizers, De Vilbiss 266-269
Ambulatory Pneumatic Splint	482	Atomizers, Compressed Air 268
Ampliphone	17	Atomizers, Hand 266-269
Amputating Knives	126-127	Attachments, Freezing 32-33
Anaesthetic Apparatus	84-88	Audiometers 209
Anaesthetizer Screens	536	Aural Instruments 208-229
Anastomosis Buttons	321	Auricles 229
Anchylosis Apparatus	483	Auriscopes, Electric 211
Angiotriptic Forceps	101	Auscultation Instruments 10-11
Ankle Braces	468	Automatic Cut-Offs 270-271
Ankle Supports	464-465	Axis Traction Clamps 404-405
Anterior Curvature Braces	476	Axis Traction Forceps 407
Antero-Posterior Curvature Braces	475	Axis Traction Handles 404-405
		Baby Scales 414-415

B		Page		Page
Back Rests		573	Bone Screws	130-131
Bags, Ice		569	Bone Shears	122-123
Bags, Instrument	416-420		Bones, Human	82
Bandage Rollers		184	Boss's Dilator	405
Bandage Scissors		182-183	Bottles, Balsam	42-43
Bandages, Bender's Ideal		185	Bottles, Drop	42-43
Bandages, Elastic		185	Bottles, Drop, Chloroform	88
Bandages, Gauze		186	Bottles, Drop, Eye	207
Bandages, Ideal		185	Bottles, Irrigating	562-563
Bandages, Muslin		186	Bottles, Oil Immersion	43
Bandages, Suspensory		498	Bottles, Reagent	42-43
Bands, Head	276-277		Bottles, Solution	562-563
Basin Stands		543	Bottles, Water	569-570
Basins, Dressing		562-563	Bottle Pads	425
Basins, Solution		562-563	Bottle Stands	541
Basiotribes	408-409		Bougies a boule	340-341-343
Baskets, Wire		39	Bougies, Eustachian	209
Bath Cabinets		575	Bougies, Exploring	341
Bath Tubs, Rubber, Folding		575	Bougies, Filiform	341
Baths, Eye		207	Bougies, Gaillard's, French	341-343
Baths, Water		39	Bougies, German, Web	340
Batteries, Electric	430-431		Bougies, Oesophageal	311
Batteries, McIntosh	430-431		Bougies, Rectal	326-327
Baunscheidt Instrument		53	Bougies, Urethral, Web	341-343
Beakers	42-43		Bowel Replacer	114-115-322
Beds, Air		571	Bow Leg Braces	469
Beds, Fracture		555	Bowle's Stethoscope	16-17
Beds, Institution		554	Bow Saws	128-129
Beds, Obstetric		554	Boxes, Gauze	563
Beds, Water		571	Boxes, Glass	563
Bed Pans	566-567		Boxes, Iodoform	181
Bed Stirrups		557	Boxes, Needle	139-563
Bed Trays, Food		573	Boxes, Shadow, X-Ray	454
Bedside Tables		572	Boxes, Slide	34
Bier's Vacuum Apparatus	54-55		Braces, Anchylosis	433
Bismuth Paste Syringes		81	Braces, Ankle	468
Bladder Currettes		363	Braces, Bow Leg	469
Bladder Forceps	362-363		Braces, Club Foot	466-467
Bladder Irrigators	338-340		Braces, Hip	472-473
Bladder Scoops		363	Braces, Knee	471
Blood Lancets		49	Braces, Knock Knee	470
Blood Pipettes		49	Braces, Paralysis	472
Blood Pressure Apparatus	10-13		Braces, Shoulder	474-475
Blood Testing Apparatus	44-49		Braces, Spinal	475-481
Blow Pipes		7	Braces, Torticollis	481
Blunt Hooks, Obstetric	410-411		Braces, Ununited Fractures	482-483
Bone Chisels	116-117		Bracket, Allison's, Extension	525
Bone Clamps	130-131		Brackets, Condenser	274-275
Bone Curettes	118-119		Brackets, Extension	274-275
Bone Drills	120-121		Brain Knives	7
Bone Elevators	126-127		Breast Developers	52-53
Bone Engine, Victor		133	Breast Pumps	52-53
Bone Forceps, Cutting	122-123		Bristle Probangs	313
Bone Forceps, Gouging	124-125		Bronchoscopes	314-315
Bone Forceps, Holding	124-125		Brophy's Instruments, Staphylor-	
Bone Forceps, Plate Holding	124-125		raphy	280-281
Bone Forceps, Sequestrum	124-125		Brushes, Trepine	132
Bone Gouges	116-117		Buckets, Enameled	564-565
Bone Instruments	116-133		Bugby Cases, Medicine	421-424
Bone Mallets	116-117		Bullet Forceps	134-135
Bone Nails		129	Bullet Instruments	134-135
Bone Plates	130-131		Bullet Probes	134-135
Bone Raspatories	126-127		Bunion Apparatus	464-465
Bone Saws	128-129		Bunsen Burners	41
			Burettes	42-43

	Page		Page
Burrs, Antrum	250-251	Chairs, Metal	524
Burrs, Mastoid	220-221	Chairs, Office Examining	522-523-525
Button Forceps	321	Chairs, Office	525
Buttons, Anastomosis	321	Chairs, Operators	522-525
Buttons, Suture	155	Chairs, Patients	524
C			
Cabinets, Bath	575	Chalazion Curettes	196-197
Cabinets, Instruments	515-520	Chalazion Forceps	200-201
Cabinets, Specialists	506-511	Chatelaine Cases, Nurses	177
Canulae, Antrum	256-257	Chimneys, Asbestos	274-275
Canulae, Frontal Sinus	256-257	Chimneys, Lamp	274-275
Canulae, Lachrymal	206-207	Chisels, Bone	116-117
Canulae, Transfusion	56-57	Chisels, Dissecting	7
Canaliculae Knives	195	Chisels, Ethmoidal	252-253
Canvas Instrument Rolls	415	Chisels, Frontal Sinus	252-253
Capital Saws	128-129	Chisels, Mastoid	220-221
Caps, Ice	569	Chisels, Nasal	238-239
Caps, Operating	189	Chloroform Apparatus, Trendelenberg's	308-309
Capsular Forceps	200-201	Chloroform Drop Bottles	88
Capsule Hooks	196-197	Chloroform Inhalers	84-85
Capsule Punch	205	Cilia Forceps	200-201
Cardiac Sphygmomanometer	12	Circumcision Instruments	333-334
Carriages, Dressing	544	Clamp Forceps, Haemorrhoidal	331
Carrying Stretchers	546	Clamp Forceps, Haemostatic	98-103
Cartilage Knives	6-7	Clamp Forceps, Hysterectomy	392-395
Cases, Buggy	421-424	Clamp Forceps, Intestinal	320-321
Cases, Dissecting	9	Clamp Forceps, Pedicle	389
Cases, General Operating	178-179	Clamp Forceps, Stomach	317-319
Cases, Hand, Medicine	421-424	Clamps, Bone	130-131
Cases, Pocket Instrument	167-176	Clamps, Haemorrhoidal	331
Cases, Pocket Vial	424	Clamps, Intestinal	320-321
Cases, Post Mortem	9	Clamps, Laboratory	40-41
Cataract Knives	195	Clamps, Lid	200-201
Cataract Masks	207	Clamps, Penis	338-339
Cataract Needles	196-197	Clamps, Phimosis	333
Catheter Holders	352-353	Clamps, Scrotal	363
Catheter Lubricator	352-353	Clamps, Transfusion	56-57
Catheter Sterilizer	352-353	Clamps, Umbilical	414-415
Catheters, Eustachian	209	Clark-Hurd Gas Apparatus	87
Catheters, Female, Metal	356-357	Clark and Roberts Examining Table	503
Catheters, Gaillard's, French	353-355	Clavicle Apparatus	484-485
Catheters, German, Web	355	Clinical Thermometers	18-19-20
Catheters, Male, Metal	356-357	Clippers, Ethmoidal	254-255
Catheters, Self Retaining, Metal	357	Clips, Hospital Report	557
Catheters, Self Retaining, Soft Rubber	353	Clips, Wound	155
Catheters, Soft Rubber	353	Club Foot Braces	466-467
Catheters, Ureteral Web	364	Coils, Abdominal	569
Catheters, Urethral, Web	353-355	Coils, Head	569
Caustic Holders	371	Coils, X-Ray	446-457
Cautery, Actual	164	Colpeurynters	404-405
Cautery Electrodes	440-441	Combination Inhalers	88
Cautery Electrode Handles	441	Comedo Extractors	278-279
Cautery, Thermo	164	Compressed Air Apparatus	270-273
Cautery Transformers	438-439	Compressors, Scrotal	498
Cements, Microscopic	35	Compressors, Shot	154-155
Centrifuge Accessories	47-49	Condensers, Light	274-275
Centrifuges, Electric	46-47	Condenser Brackets	274-275-525
Centrifuges, Hand	48	Condensers, Penis	52-53
Centrifuges, Water	48	Connectors, Electric	436-437
Cephalotribes	408-409	Contagious Disease Gowns	189
Cervix Needles, with Handle	152-153	Controllers, Electric	426-428
Chain Saws	129	Controller Sockets	426-428
Chairs, Invalid Rolling	574	Conversation Tubes	229
		Converters, Cautery	438-439
		Coolers, Prostatic	349

	Page		Page
Cord Connectors	436-437	DeVilbiss Spray Tube Heaters	269
Cords, Cautery	441	DeVilbiss Atomizers	266-269
Cords, X-Ray	461	Diagnostic Box, X-Ray	454
Cornets, Ear	229	Diagnostic Instruments	10-20
Cotton, Absorbent	186	Diagnostic Lamps, Electric	258-259
Cotton Packers, Ear	213	Diagnostic Tubes	208-209
Cotton Reservoirs	230-231	Diagnostic Whistles	208-209
Counter Pressure Hooks	400-401	Dilators, Lachrymal	206-207
Counting Chambers, Blood	45	Dilators, Nasal	231
Cover Glasses	34	Dilators, Obstetric	404-405
Cranioclasts	408-409	Dilators, Oesophageal	311
Craniotomy Forceps	408-409	Dilators, Rectal	326-327
Crile's Clamps	56-57	Dilators, Septum	244
Crile's Forceps	56-57	Dilators, Tracheal	308-309
Crutches	489	Dilators, Urethral	346-347
Crutch Ferrules	489	Dilators, Uterine	379-381
Crutch Rubbers	489	Director, Kocher's	114-115
Culture Media	35	Directors	114-115
Cupping Instruments	52-53	Dishes, Glass	42-43
Cups, Feeding	567	Dislocations, Ambulatory Pneumatic Splint	482
Cups, Sputum	567	Dissecting Cases	9
Current Controllers	426-428	Dissecting Forceps	6-7
Current Rectifiers	435	Dissecting Instruments	6-9
Current Transformers	428-438-439	Dissecting Knives	6-7
Curettes, Adenoid	260-261	Dissecting Scissors	8-9
Curettes, Antrum	251-252	Dissectors, General	114-115
Curettes, Bladder	363	Dissectors, Septum	244-245
Curettes, Bone	118-119	Dissectors, Tonsil	288-289
Curettes, Chalazion	196-197	Divulsors, Prostatic	353
Curettes, Dermal	278-279	Douches, Ear	218-219
Curettes, Ear	212-213	Douches, Eye	206-207
Curettes, Ethmoidal	252-253	Douches, Nasal	264-265
Curettes, Eye	196-197	Douche Pans	566-567
Curettes, Frontal Sinus	253	Douche Point, Hall's Expanding	369
Curettes, Laryngeal	307	Douches, Rectal	326-327
Curettes, Mastoid	222-223	Douches, Uterine	382-383
Curettes, Nasal	238-239	Drainage Buckets	564-565
Curettes, Placenta	411-413	Drainage Tubes, Antrum	256-257
Curettes, Rectal	332-333	Drainage Tubes, General	180-181
Curettes, Rinsing	376-377	Drainage Tubes, Mastoid	227
Curettes, Tonsil	287	Drainage Tubes, Prostatic	180-350-351
Curettes, Uterine	374-378	Dressing Basins	562-563
Cushions, Air	571	Dressing Carriages	544
Cushions, Invalid	571	Dressing Forceps, Ear	214-215
Cushions, Kidney	558	Dressing Forceps, Eye	200-201
Cushions, Operating	558-559	Dressing Forceps, Nasal	232-233
Cutaneous Punch	278-279	Dressing Forceps, Uterine	372-373
Cutoffs, Automatic	270-271	Dressing Forceps, Wound	104-105
Cutoffs, Tubing	561	Dressing Jars	562-563
Cutoffs, Urethral	338-339	Dressing Pails, Justrite	521
Cystoscopes	357-359	Dressing Shears	107
Cystotomes	196-197	Dressing Sterilizers	547-550
D		Dressings, Surgical	186-188
Dental Elevators	283	Drills, Antrum	250-251
Dental Forceps	282-283	Drills, Bone	120-121
Depressors, Prostatic	350-351	Drills, Mastoid	220-221
Depressors, Tongue	284-285	Drinking Glasses	567
Depressors, Vaginal	379	Drop Bottles	42-43
Dermal Instruments	278-279	Drop Bottles, Chloroform	88
Desks, Office	525	Drop Bottles, Eye	207
Developers, Breast	52-53	Droppers, Eye	206-207
Device, Mouth Breathing	490	Drying Oven	40-41
Device, Projecting Ears	490	Dura Separators	132
		Dynamometers	10-11

E		Page		Page
Ear Applicators	212-213		Enameled Basins, Dressing	562-563
Ear Cornets	229		Enameled Basins, Solution	562-563
Ear Currettes	212-213		Enameled Bed Pans	566-567
Ear Douches	218-219		Enameled Douche Pans	566-567
Ear Forceps	214-215		Enameled Instrument Trays	564-565
Ear Hooks	216-217		Enameled Irrigators	560-561
Ear Insufflators	218-219		Enameled Pails	564-565
Ear Knives	216-217		Enameled Pitchers	565
Ear Masseurs	208-209		Enameled Urinals	566-567
Ear Perforators	216-217		Endoscopes	334-335-336-337
Ear Probes	212-213		Endoscopes, Electric	335-336-337
Ear Scissors	219		Engine, Victor Surgical	133
Ear Sets	217		Entropium Forceps	200-201
Ear Snares	219		Entropium Knives	196-197
Ear Speculums	210-211		Enucleating Forceps	200-201
Ear Spouts	218-219		Enucleating Knives	196-197
Ear Syringes	218-219		Enucleating Scissors	204-205
Ear Trumpets	228-229		Enucleating Spoons	196-197
Elastic Bandages	185		Enucleators, Prostatic	350-351
Elastic Hoslery	490-491		Ether Inhalers	84-85
Elastic Supporters	492-493		Ethmoidal Instruments	252-257
Elastic Trusses	496		Ethmoid Forceps	254-255
Elastic Web Cateters	353-355		Ethmoid Punches	254-255
Electric Air Compressors	270-271		Ethyl-Chloride, Gebauer's	86
Electric Auriscope	211		Ethyl-Chloride Inhalers	86
Electric Batteries	430-431		Eustachian Bougies	209
Electric Centrifuges	46-47		Eustachian Catheters	209
Electric Current Controllers	426-428		Evacuators	361
Electric Diagnostic Lamps	258-259		Examining Chairs	505-522-523
Electric Endoscopes	335-336-337		Examining Tables, Office	500-504
Electric Generators	434-435		Excentration Knives	196-197
Electric Head Lamps	426-427		Expander, Vein	57
Electric Heater, Spray Tube	269		Expanding Douche Point, Hall's	369
Electric Illuminating Apparatus	258-259-426-427-428-429		Exploring Bougies	341
Electric Light Brackets	274-275-525		Extension Apparatus	484-485
Electric Lighted Protoscopes	329		Extension Brackets	274-275-525
Electric Lighted Rectal Speculums	329		Extension Shoes	465
Electric Lighted Urethrascopes	336-337		Eye Baths	207
Electric Vibrators	442		Eye Currettes	196-197
Electric Wall Plates	431-433		Eye Droppers	206-207
Electrodes, Cautery	440-441		Eye Gouges	196-197
Electrodes, Fulgeration	458-459		Eye Hooks	196-197
Electrodes, General	436-437		Eye Instruments, Double	198
Electrodes, High Frequency	458-459		Eye Irrigators	206-207
Electrode Handles, Cautery	441		Eye Magnets	199
Electrodes, Stomach	317		Eye Masks	207
Electrolysis Needles	441		Eye Needle Holders	205
Electrolysis Needle Holders	441		Eye Pieces, Microscopic	29
Electro Magnets	199		Eye Scissors	204-205
Electro-Therapeutic Lamps	444-445		Eye Scoops	196-197
Electroscope, Bruening's	315		Eye Shades	207
Elevating Forceps, Uterine	386-387		Eye Speculums	194-195
Elevators, Dental	283		Eye Spuds	196-197-198
Elevators, Mastoid	226-227			
Elevators, Pereosteal	126-127		F	
Elevators, Septum	245-247		Faradic Batteries	430-431
Elevators, Trephining	132		Feeding Cups	567
Elevators, Uterine	374-375		Felt Mattress, Cotton	556
Embedding Substances	34		Felt, Russian, Surgical	483
Embryotomy Knives	413		Female Catheters	356-357
Emergency Satchels	419-420		Fenestrated Scoops, Eye	196-197
Emulsion Syringes	76		Fermentation Tubes	50-51
			Ferrules, Crutch	489
			Ferrules, Tubing	270-271
			Fever Thermometers	18-19-20

	Page		Page
Files, Septum	246-247	Forceps, Obstetric	406-407
Filiform Bougies	341	Forceps, Oesophageal	312-313
Finger Cots, Rubber	559	Forceps, Ovarian	387
Fissure Meter	11	Forceps, Pedicle	383-389
Fistulotome	332-333	Forceps, Peritoneal	320-321
Fixation Forceps	202-203	Forceps, Phimosis	333
Fixation Hooks	196-197	Forceps, Placenta	412-413
Flasks	42-43	Forceps, Polypus, Uterine	388-389
Flat Foot Supporters	464-465	Forceps, Prostatic	350-351
Fluoroscopes	460-461	Forceps, Rectal	332-333
Foil, Silver	181	Forceps, Screw Holding	131
Food Trays	573	Forceps, Septum Cutting	248-249
Foot Stools	524	Forceps, Sequestrum	124-125
Forceps, Adenoid	262-263	Forceps, Splinter	104-105
Forceps, Advancement	200-201	Forceps, Sponge	373
Forceps, Angiotriptic	101	Forceps, Sterilizer	115
Forceps, Appendix	322-323	Forceps, Stomach	317-318-319
Forceps, Applicating, Uterine	372-373	Forceps, Strabismus	202-203
Forceps, Axis Traction	407	Forceps, Tack	104-105
Forceps, Bladder	362-363	Forceps, Tenaculum	104-105-384-385
Forceps, Bone Cutting	122-123	Forceps, Tendon	202-203
Forceps, Bone Gouging	124-125	Forceps, Tissue	104-105-383
Forceps, Bone Holding	124-125	Forceps, Tongue	89
Forceps, Bone Plate Holding	124-125	Forceps, Tonsil	290-291
Forceps, Bronchoscopic	312-313	Forceps, Towel	115
Forceps, Bullet	134-135	Forceps, Tracheal	309
Forceps, Button	321	Forceps, Trachoma	202-203
Forceps, Capsular	200-201	Forceps, Transfusion	56-57
Forceps, Chalazion	200-201	Forceps, Tumor	388-391
Forceps, Cilia	200-201	Forceps, Ureteral	363
Forceps, Clamp, Stomach	317-319	Forceps, Urethral	363
Forceps, Colpeurynter	404-405	Forceps, Uterine Dressing	372-373
Forceps, Craniotomy	408-409	Forceps, Uterine Elevating	386-387
Forceps, Crile's, Transfusion	56-57	Forceps, Vein Stripping	115
Forceps, Dental	282-283	Forceps, Vulsellum, Uterine	386-387
Forceps, Dissecting	6-7	Forceps, Wire Twisting	400-401
Forceps, Dressing, Eye	200-201	Forceps, Wound Clip	155
Forceps, Dressing, Nasal	232-233	Foreign Body Instruments, Oesopho- geal	312-313
Forceps, Dressing, Uterine	272-273	Forks, Tuning	208-209
Forceps, Dressing, Wound	104-105	Formaldehyde Disinfectors	181
Forceps, Ear	214-215	Fountain Syringes	570-571
Forceps, Entropium	200-201	Fracture Bed, Wallace's	555
Forceps, Enucleating	200-201	Fracture Box	484
Forceps, Ethmoidal	254-255	Fractures, Ankle, Ambulatory Pneumatic Splint	482
Forceps, Eye	200-201-202-203	Fractures, Hip, Ambulatory Pneumatic Splint	482
Forceps, Fixation	202-203	Fractures, Leg, Ambulatory Pneumatic Splint	482
Forceps, Frontal Sinus Punching	254-255	Fractures, Non-union, Ambulatory Pneum- atic Splint	482
Forceps, Gall Stone	323	Fractures, Patella, Ambulatory Pneumatic Splint	482
Forceps, Haemostatic	98-103	Fractures, Thigh, Ambulatory Pneumatic Splint	482
Forceps, Haemorrhoidal	331	Freer's Septum Instruments	245-246-247-248-249
Forceps, Hysterectomy	392-395	Freezing Attachments, Microscopic	32-33
Forceps, Intestinal	105-320-321	Frontal Sinus Instruments	252-257
Forceps, Iris	202-203	Fulguration Electrodes	458-459
Forceps, Kidney Clamp	321-323	Fumigators	188
Forceps, Laryngeal	306-307	Funnels	42-43
Forceps, Lid	200-201	Furnishings, Office	500-530
Forceps, Lithotomy	362-363		
Forceps, Mastoid	224-225		
Forceps, Microscopic	36-37		
Forceps, Nasal Cutting	232-233-234-237		
Forceps, Nasal Dressing	232-233		
Forceps, Nasal Haemostatic	233		
Forceps, Needle Pulling	137		
Forceps, Nephrectomy	331-333		

G	Page	H	Page
Gags, Mouth	286-287	Haemacytometers	44-45
Gaillard's Bougies, Ureteral	364	Haemaglobinometers	44-45
Gaillard's Bougies, Urethral	341-343	Haemometers	44-45
Gaillard's Catheters, Ureteral	364	Haemorrhoidal Clamps	331
Gaillard's Catheters, Vesical	352-354	Haemorrhoidal Syringes	75
Gall Bladder Needles	153	Haemostatic Forceps	98-103
Gall Bladder Probes	322-323	Haemostatic Forceps, Nasal	233
Gall Bladder Trocars	162-163-322-323	Haemostats, Tonsil	288-289
Gall Stone Forceps	323	Haematokrits	49
Gall Stone Scoops	322-323	Hall's Collapsible Irrigator	369
Galvanic Batteries	430-431	Hall's Expanding Douche, Point	369
Gas Apparatus, Clark-Hurd's	87	Hall's Rectal Speculum	369
Gas Brackets	274-275-525	Hall's Vaginal Speculum	369
Gas Regulators	41	Hammers, Percussion	10-11
Gastrodialaphane	317	Hammers, Post Mortem	9
Gastrosopes	314-315	Hammer Toe Apparatus	464-465
Gauze, Absorbent	187	Hand Atomizers	266-269
Gauze Boxes, Glass	563	Hand Nebulizers	267
Gauze Packers	114-115-370-371	Handle Clamps	404-405
Gebauer's Ethyl Chloride	86	Handles, Cautery	441
Gebauer's Ethyl Chloride Inhaler	86	Handles, Mirror	277
General Electrodes	436-437	Handles, Traction	404-405
General Operating Cases	178-179	Hanger, X-Ray Tube	460-461
General Operating Knives	90-97	Head Bands	276-277
General Operating Scissors	106-109	Head Lamps, Electric	426-427
General Operating Retractors	110-111-112	Head Mirrors	276-277
Generators, Electric	434-435	Hearing Instruments	228-229
Glass Basins, Dressing	562-563	High Frequency Apparatus	447-448-451
Glass Basins, Solution	562-563	High Frequency Electrodes	458-459
Glass Boxes, Brush	563	High Frequency Tubes	458-459
Glass Boxes, Gauze	563	High Pressure Sterilizers	550-551-553
Glass Boxes, Needle	563	Hip Joint Disease, Ambulatory Pneu- matic Splint	482
Glasses, Cover	34	Hip Splints	473-482-483
Glasses, Medicine	567	Holders, Catheter	352-353
Glass Funnel	42-43	Holders, Knife	97
Glass Graduates	42-43-569	Holders, Leg	190-557
Glass Instrument Trays	564-565	Holders, Lid	193
Glass Irrigators	560-561	Holders, Needle	136-137-138-139
Glass Jars	562-563	Holders, Soap	562-563
Glass Slides, Microscopic	34	Holders, Sponge	373
Glass Tips, Irrigating	560-561	Holders, X-Ray Tube	460-461
Glass Tubing	43	Holzborn's Bath Cabinet	575
Glass Urinals	566-567	Holzborn's Hot Air Apparatus	575
Glassware, Laboratory	42-43	Hooks, Capsular	196-197
Gloves, Surgeons' Rubber	559	Hooks, Counter Pressure	400-401
Gosman's Rust Preventif	190	Hooks, Ear	216-217
Gouges, Bone	116-117	Hooks, Fixation	196-197
Gouges, Dissecting	7	Hooks, Foreign Body	196-197
Gouges, Ethmoid	252-253	Hooks, Iris	196-197
Gouges, Eye	196-197	Hooks, Lens	196-197
Gouges, Frontal Sinus	252-253	Hooks, Nasal	238-239
Gouges, Mastoid	220-221	Hooks, Obstetric	410-411
Gouges, Nasal	228-229	Hooks, Rectal	332-333
Gouging Forceps, Bone	124-125	Hooks, Septum	246-247
Gouging Forceps, Mastoid	224-225	Hooks, Strabismus	196-197
Gouley's Sounds	344	Hooks, Tonsil	288-289
Gowns, Contagious Disease	189	Hooks, Traction	404-405
Gowns, Operating	189	Hooks, Trephine	132
Graduates, Glass	42-43-567	Horns, Hearing	228-229
Guard, Mastoid	226-227	Hosiery, Elastic	490-491
Guard, Perineal	414-415	Hospital Report Clips	557
Guillotine, Bladder	363	Hot Air Apparatus	575
Gynaecic Stirrups	557	Hot Water Bottles	570-571
Gyromele, Turck's	317		

	Page		Page
Humane Restraints	576	Intestinal Clamps	320-321
Hydraulic Air Pumps	270-271	Intestinal Depressors	114-115
Hypodermic Needles	60-61	Intestinal Forceps	104-105-320-321
Hypodermic Sundries	77	Intestinal Packers	322-323
Hypodermic Syringes	58-67	Intestinal Replacers	322-323
Hypodermic Syringes, Sub-Q	65	Introducers, Pessary	400-401
Hysterectomy Forceps	392-395	Intubation Sets	310
I			
Ice Bags, Head	569	Invalid Back Rests	573
Ice Bags, Mastoid	227-569	Invalid Beds, Art Bedstead Co.'s.	554
Ice Caps	569	Invalid Beds, Wallace's	555
Ideal Bandages, Bender's	185	Invalid Cushions	571
Illuminating Apparatus	270-271	Invalid Rings	571
Illuminating Apparatus, Electric	426-429	Invalid Rolling Chairs	574
Illuminators, Antrum	288-289	Iodine Inhalers	208-209
Illuminators, Microscopic	31	Iodoform Boxes	181
Immersion Stands	543	Irrigating Bottles	562-563
Incisors, Prostatic	353	Irrigating Nozzles	338-339
Incubators, Laboratory	40-41	Irrigating Stands	542
Incubator Thermometers	42-43	Irrigating Syringes	338-339
Infiltration Apparatus	88	Irrigator Cut-Offs	338-339-561
Inflators, Bulb	558	Irrigators, Enameled	560-561
Infusion Apparatus	56-57	Irrigators, Eye	206-207
Infusion Needles	56-57	Irrigators, Glass	560-561
Inhalers, Chloroform	84-85	Irrigators, Hall's, Collapsible	369
Inhalers, Combination	88	Irrigator Points	560-561
Inhalers, Ether	84-85	Irrigators, Stomach	316-317
Inhalers, Ethyl-Chloride	86	Irrigators, Urethral	338-339
Inhalers, Iodine	208-209	Irrigators, Uterine	382-383
Inhalers, Nasal	264-265	Irrigators, Valentine's	339
Inhalers, Nitrous Oxide	87	Iris Forceps	202-203
Injecting Syringes	78-81	Iris Hooks	196-197
Instep Supports	464-465	Iris Knives	196-197
Instruments, Bronchoscopic	312-315	Iris Needles	196-197
Instrument Cabinets	515-520	Iris Scissors	204-205
Instrument Cases, Pocket	167-176	J	
Instruments, Cupping	52-53	Jackson's Scissors	108-109
Instruments, Dermal	278-279	Jars, Dressing	562-563
Instruments, Diagnostic	10-20	Jars, Glass	42-43-562-563
Instruments, Dissecting	6-9	Jars, Mouse	39
Instruments, Ear	208-229	Jars, Ointment	562-563
Instruments, Eye	192-207	Jars, Soap	562-563
Instruments, Hearing	228-229	Jars, Specimen	42-43
Instruments, Microscopic	36-38	Jock Straps	498
Instruments, Nasal	230-269	Jury Mast, Sayres'	480
Instruments, Oesophageal	311-315	Justrite Buckets	521
Instruments, Phimosis	333-335	Justrite Pails	521
Instrument Racks	536	Justrite Therapeutic Lamps	445
Instrument Rolls	415	K	
Instrument Satchels	416-420	Kelly's Operating Cushions	558-559
Instruments, Staphylococcus	278-281	Keratomes	195
Instrument Sterilizers, Hospital	552	Kidney Clamp Forceps	321-323
Instrument Sterilizers, Office	526-530	Kidney Cushions, Edebohl's	558
Instrument Tables, Hospital	537-539	Kidney Elevators	323
Instrument Tables, Office	512-513	Kidney Retractors	323
Instruments, Tonsil	287-303	Kidney Spatulae	323
Instruments, Tracheoscopic	308-309-314-315	Knee Joint Disease, Ambulatory Pneumatic Splint	482
Instrument Trays	564-565	Knee Splints	471
Instruments, Urethral	363-365	Knife Cases	97
Instruments, Urethrascope	336-337	Knife Holders	97
Insufflators, Ear	218-219	Knives, Abdominal	90-97
Insufflators, Nose	264-267	Knives, Amputating	126-127
Interrupterless X-Ray Coils, Scheidel and Western	449	Knives, Brain	7

IX

	Page		Page
Knives, Canaliculae	195	Leather Jackets	478
Knives, Cartilage	6-7	Lee's Metallic Splints	486
Knives, Cataract	195	Leg Holders	190-557
Knives, Cystatomes	196-197	Lens Hooks	196-197
Knives, Dissecting	6-7	Lid Forceps	200-201
Knives, Ear	216-217	Lid Holders	193
Knives, Embryotomy	413	Lid Knives	196-197
Knives, Entropium	196-197	Lid Retractors	193
Knives, Enucleation	196-197	Lifters, Section	38-39
Knives, Eye	195-197	Ligature Carriers	154-155
Knives, General Operating	90-97	Ligature Needles	150-151
Knives, T _r e	196-197	Ligatures, Dry	156-157
Knives, Keratomy	195-196	Ligatures, Sterile	158-161
Knives, Laryngeal	307	Light Brackets	275-525
Knives, Lid	196-197	Light Condensers	274-275
Knives, Lithotomy	97	Lithotomy Forceps	362-363
Knives, Mastoid	226-227	Lithotomy Knives	97
Knives, Microscopic	36-37	Lithotomy Scoops	360-361
Knives, Nasal	238-239	Lithotomy Staffs	360-361
Knives, Operating	90-97	Lithotrites	361
Knives, Plaster	183	Litters, Carrying	546
Knives, Pocket Case	166	Low Pressure Sterilizing Apparatus	547-549
Knives, Prostatic	350-351	Lubricator, Clayton's Catheter	352-353
Knives, Secondary	196-197	Luer's Syringes	58-59
Knives, Section	33	Luken's Sterile Sutures	158
Knives, Septum	238-246-247	Luken's Wound Clips	155
Knives, Tonsil	292-293		
Knives, Urethral	349		
Knives, Uterine	397		
Knee Braces	470		
Knock Knee Braces	470		
Kocher's Dissector	114		
Kollman Dilators	346-347		

	Page		Page
Orchitis Bandages	498	Pocket Cases, Instrument	167-176
Orthopedic Apparatus	462-481	Pocket Cases, Nurses'	177
Osteological Preparations	82	Pocket Cases, Vial	424
Otoscopes	210	Pocket Case Knives	166
Outfits, Salvarsan	70-73	Pocket Inhalers	264-265
Ovarian Forceps	387	Pocket Scales	425
Ovarian Trocars	164	Politzer Bags	208
Ovens, Drying	40-41	Polypus Forceps, Nasal	232-233
Oxford Examining Chair	505	Polypus Forceps, Uterine	388-389
P			
Packers, Ear	212-213	Polyline Generator, McIntosh	434
Packers, Gauze	370-371	Portable Sterilizers	530
Packers, Kelly's	114-115	Portable Vibrator, Victor	442
Pads, for Bottles	425	Posterior Curvature Braces	479-480
Pails, Enameled	564-565	Post Mortem Cases	9
Pails, Justrite	521	Post Mortem Hammers	9
Pails, Waste	521	Post Nasal Currettes	260-261
Pans, Bed	566-567	Post Nasal Douches	264-265
Pans, Douche	566-567	Post Nasal Forceps	262-263
Paracentesis Needles	196-197	Potain's Aspirator	165
Paraffine Syringes	76	Powder Blowers, Ear	218-219
Paragon Examining Table	500	Powder Blowers, General	264-267
Paraplegia Apparatus	472	Preparation Dishes	42-43
Pasteur Dishes	42-43	Preparations, Osteological	82
Patients' Chairs	524	Probangs	313
Pedicle Forceps	388-389	Probes, Bullet	134-135
Pelvimeters	414-415	Probes, Ear	212-213
Pencil, Litmus	51	Probes, Gall Bladder	322-323
Pencil, Skin	279	Probes, General	114-115
Penis Clamps	338-339	Probes, Lachrymal	206-207
Penis Congesters	52-53	Probes, Nasal	231
Percussion Hammers	10-11	Probes, Rectal	332-333
Pereosteal Elevators	126-127	Probes, Uterine	374-375
Pereosteal Elevators, Mastoid	226-227	Projecting Ear Device	490
Perforated Shot	155	Proctoscopes	328-329
Perforators, Antrum	250-251	Proctoscopes, Electrical	329
Perforators, Ear	216-217	Proctoscopes, Pneumatic	329
Perforators, Obstetric	410-411	Prostatic Coolers	348
Perineal Guard, Tuckers	414-415	Prostatic Depressors	350-351
Perineum Needles	152-153	Prostatic Drainage Tubes	350-351
Peritoneal Forceps	320-321	Prostatic Forceps	350-351
Pessaries	401-403	Prostatic Knives	350-351
Pessaries, Stem	401	Prostatic Masseurs	352-353
Pessary Introducers	400-401	Prostatic Retractors	350-351
Petri Dishes	42-43	Protection Screen, X-Ray	453
Pharyngeal Illuminators	258-259	Protectives, Surgical	187
Phimosis Forceps	333	Pterigium Scissors	204-205
Pile Pipes	327	Pulsograph	13
Pipettes	42-43-50-51	Pulsograph Watch	13
Pipettes, Eye	206-207	Pumps, Air	270-271
Placental Currettes	411-413	Pumps, Air, Electric	270-271
Placental Forceps	412-413	Pumps, Air, Hydraulic	270-271
Plaster Bandages	186	Pumps, Breast	52-53
Plaster Knives	183	Punches, Antrum	254-255
Plaster Saws	183	Punches, Capsule	205
Plaster Shears	182-183	Punches, Ethmoidal	254-255
Plaster, Surgeons' Adhesive	188	Punches, Frontal Sinus	254-255
Plates, Bone	130-131	Punches, Septum	248-249
Plates, Warming	39	Punches, Skin	278-279
Pleximeters	10-11	Punches, Sphenoidal	254-255
Plugs, Antrum	256-257	Punches, Tonsil	287-294-297
Plugs, Frontal Sinus	256-257	Puritan Bath Cabinet	575
Pneumatic Oscopes	210	Pus Basins	562-563
Pneumatic Proctoscopes	329	R	
Pneumatic Splint, Ambulatory	482	Racks, Bottle	541
		Racks, Instrument	536

	Page		Page
Racks, Test Tube	50-51	Rubber Bath Tubs, Gold Medal	575
Radiographic Coils	446-451	Rubber Dam	187
Radiographic Tables	452	Rubber Finger Caps	559
Raspatories	126-127	Rubber Gloves	559
Raspatories, Mastoid	226-227	Rubber Sheeting	569
Rasps, Nasal	252-253	Rubber Urinals	568
Razors, Section	33	Rubbers, Crutch	489
Reagent Bottles	42-43	Russian Felt, Surgical	488
Reamers, Antrum	250-251	Rust Preventif, Gosman's	190
Reamers, Post Mortem	9		
Receptacles, Slide	34	S	
Receptacles, Waste	521	Saccharometers	50-51
Rectal Applicators	332-333	Safety Triumph Syringes	80-81
Rectal Bougies	326-327	Salvarsan Outfits	70-73
Rectal Clamps	331	Salvarsan Syringes	68-70-73
Rectal Curettes	332-333	Satchels, Emergency	420
Rectal Dilators	326-327	Satchels, Instrument	416-420
Rectal Douches	326-327	Satchels, Obstetric	416-417
Rectal Forceps	332-333	Saws, Bow	128-129
Rectal Hooks	332-333	Saws, Capital	128-129
Rectal Instruments	326-333	Saws, Metacarpal	129
Rectal Probes	332-333	Saws, Nasal	240-241
Rectal Scissors	332-333	Saws, Plaster	183
Rectal Speculums	328-331	Saws, Skull	128-129
Rectal Speculum, Hall's	369	Saws, Wire	128-129
Rectal Syringes	327	Saw Handles, Wire	128-129
Rectal Tubes	326-327	Sayre's Jury Mast	480
Rectifiers, McIntosh	435	Scales, Baby	414-415
Refo-Syringes, Aspirating	66-69	Scales, Pocket	425
Refo-Syringes, Hypodermic	66-69	Scalpels, Dissecting	6-7
Refo-Syringes, Salvarsan	68	Scalpels, Eye	196-197
Regulators, Gas	41	Scalpels, General Operating	90-97
Replacer, Bowel	114-115-322	Scarificators	52-53
Repositors, Uterine	374-375	Scarifiers, Eye	196-197
Reservoirs, Cotton	230-231	Scarifiers, Uterine	397
Restraints, Humane	576	Scheidel & Western X-Ray Apparatus	
Rests, Back	573		449-455
Retinascope	192-193	Scissors, Abdominal	106-107
Retractors, Abdominal	112-113-324	Scissors, Bandage	182-183
Retractors, Abdominal, Spark's	112-324	Scissors, Dissecting	8-9
Retractors, Eye	193	Scissors, Dressing	107-108
Retractors, General	110-111	Scissors, Ear	219
Retractors, Kidney	323	Scissors, Eye	204-205
Retractors, Mastoid	226-227	Scissors, Iris	204-205
Retractors, Mayo's	112-324	Scissors, Jackson's	108-109
Retractors, Prostatic	350-351	Scissors, Lachrymal	204-205
Retractors, Self Retaining	112-324	Scissors, Mayo's Dissecting	108-109
Retractors, Self Retaining, Spark's	112-324	Scissors, Mayo's General	108-109
Retractors, Spark's, Self Retaining	112-324	Scissors, Microscopic	38-39
Retractors, Tonsil	288	Scissors, Nasal	241
Retractors, Tracheal	308-309	Scissors, Operating	106-109
Retractors, Uvula	287	Scissors, Plaster	182-183
Retractors, Vaginal	396-397	Scissors, Pterigium	204-205
Retrojectors, Urethral	340-341	Scissors, Rectal	332-333
Richter's Needle Holders	138-139	Scissors, Strabismus	204-205
Rinsing Curettes	378	Scissors Suture	154-155
Rods, Measuring	557	Scissors, Tenotomy	204-205
Roller Bandages	186	Scissors, Tonsil	298-299
Roller Bandages, Bender's Ideal	185	Scissors, Umbilical	414-415
Rollers, Bandage	184	Scissors, Uterine	398-399
Rolling Chairs, Invalids'	574	Scissors, Uvula	287
Rolls, Instrument	415	Scissors, Wire Cutting	400-401
Rompler's Seamless Hosiery	490	Scleratomes	196-197
Rongeur Forceps, Bone	124-125	Scoops, Bone	118-119
Rongeur Forceps, Mastoid	224-225	Scoops, Eye	196-197
Rongeur Forceps, Skull	124-125	Scoops, Gall Stone	322-323

	Page		Page
Scoops, Lithotomy	360-361	Soft Rubber Catheters	353
Screen, Anaesthetizers	356	Soft Rubber Catheters, Self Retaining	353
Screen, X-Ray Protective	453	Soft Rubber Urinals	568
Screw Drivers, Bone	130-131	Solution Bottles	562-563
Screw Holders, Bone	130-131	Solution Stands	541
Screws, Bone	130-131	Solutions, Staining	35
Screws, Tumor	391	Sounds, Lithotomy	360-361
Scrotal Clamps	363	Sounds in Sets	345
Scrotal Compressors	498	Sounds, Steel	344-345
Searchers, Stone	360-361	Sounds, Uterine	374-375
Sea Tangle Tents	379	Spark's Self Retaining Mouth Gag	286-287
Secondary Knives	196-197	Spark's Self Retaining Retractors	112-324
Section Knives	33	Spark's Vaginal Speculum	368
Section Lifters	38-39	Spatulae, Brain	132
Section Razors	33	Spatulae, Eye	196-197
Self Retaining Catheters	353	Spatulae, Kidney	323
Self Retaining Retractors	112-324	Specialists Cabinets	506-511
Self Retaining Retractors, Spark's	112-324	Specialists Chair, Allison's	505
Separators, Dura	132	Specialists Chair, Clark & Roberts	523
Separators, Tonsil	299	Specialists Chair, White Line	522
Septum Cutting Forceps	248-249	Specimen Jars	42-43
Septum Dissectors	245	Speculums, Ear	210-211
Septum Elevators	245-247	Speculums, Eye	194-195
Septum Hooks	247	Speculums, Laryngeal	314-315
Septum Instruments, Freer's	245-247	Speculums, Nasal	230-231
Septum Knives	245-247	Speculums, Rectal	328-331
Septum Retractors	246-247	Speculums, Septum	244-245
Septum Speculums	244-245	Speculums, Urethral	334-335
Septum Splints	244-245	Speculums, Vaginal	366-369
Septum Straightening Forceps	248-249	Speculums, Vaginal, Hall's	369
Sequestrum Forceps	124-125	Speculums, Vaginal, Spark's	368
Sets, Ear	217	Spencer Microscopes	21-28
Shades, Eye	207	Sphenoidal Instruments	252-257
Shadow Box, X-Ray	453	Sphygmographs	11
Shears, Bone	122-123	Sphygmanometers	10-11
Shears, Dressing	197	Sphygmanometer, Cardiac	12
Shears, Plaster	182-183	Sphygmometer Watch	13
Sheeting, Rubber	569	Spinal Braces	475-481
Shields, Anaesthetizers	536	Spinal Ice Bags	569
Shields, Circumcision	334-335	Spirometers	11
Shields, X-Ray Tube	460-461	Spit Cups	567
Shoes, Extension	465	Spittoons, Office	522
Shot Compressors	154-155	Splinter Forceps	104-105
Shot, Perforated	155	Splint Material	488
Shoulder Braces	474-475	Splints	486-488
Shoulder Caps, Elastic	484	Splints, Ambulatory Pneumatic	482
Silver Foil, Halstead's	181	Splints, Hip	472-473
Silver Mattress	155	Splints, Interdental	484-485
Silver Wire	131-157	Splints, Knee	471
Sinusoidal Apparatus	434	Splints, Septum	244-245
Skeletons, Human	82	Splints, Suspension	484-485
Skulls, Human	82	Splints, Volkman's	484-485
Skull Saws	128-129	Splitters, Tonsil	288-289
Slide Boxes	34	Spoke Shaves	238-239
Slide Receptacles	34	Sponge Forceps	373
Slides, Glass	34	Sponge Holders, Laryngeal	304-305-332
Slippers, Obstetric	414-415	Sponge Holders, Uterine	373
Snares, Ear	219	Sponge Tents	379
Snares, Laryngeal	307	Spoon, Abdominal	114-115
Snares, Nasal	242-243	Spouts, Ear	218-219
Snares, Tonsil	300-301-303	Sprains, Ambulatory Pneumatic Splint	482
Snare Wire	242-243	Spray Bottle Holders	268
Soap Holders	562-563	Spray Tube Heaters	269
Soap Reservoir	562-563	Spray Tube Stands	268-269
Soap, Surgeons'	188	Spuds, Foreign Body, Eye	196-197

	Page		Page
Sputum Cups	561	Surgical Dressings	186-188
Staffs, Lithotomy	360-361	Surgical Engine, Victor	133
Staffs, Prostatic	350-351	Suspension Apparatus	481
Stage, Microscopic	30	Suspensories	498
Staining Jars	42-43	Suture Buttons	155
Staining Solutions	35	Suture Instruments, General	154-155
Stands, Basin	543	Suture Instruments, Uterine	400-401
Stands, Bottle	541	Suture Needles, Cervix	152-153
Stands, Immersion	543	Suture Needles, Eye	196-197
Stands, Irrigating	542	Suture Needles, General	140-149
Stands, Treatment	510	Suture Needles, with Handles	150-153
Stands, X-Ray Tube	455	Suture Scissors	154-155-400-401
Staphylorrhaphy Instruments	278-281	Sutures, Dry	156-157
Steel Sounds	344-345	Sutures, Luken's, Sterile	158
Stem Pessaries, Aluminum	401	Sutures, Sterile	158-161
Stem Pessaries	401	Sutures, Thomas', Sterile	160-161
Stender Dishes	42-43	Syringes, Antitoxine	75
Sterile Sutures	158-159-160-161	Syringes, Aspirating	74
Sterilizer Forceps	115	Syringes, Bismuth Paste	81
Sterilizer Outfits, Low Pressure	526-527-548-549	Syringes, Ear	218-219
Sterilizers, Catheter	352-353	Syringes, Emulsion	76
Sterilizers, Dressing	547-550	Syringes, Fountain	570-571
Sterilizers, Enameled	565	Syringes, Haemorrhoidal	75
Sterilizers, Instrument, Hospital	552	Syringes, Hypodermic	58-69
Sterilizers, Instrument, Office	526-530	Syringes, Hypodermic, Military	64
Sterilizers, Needle	139	Syringes, Hypodermic, "Refo"	66-69
Sterilizers, Office	526-530	Syringes, Hypodermic, Sub-Q	65
Sterilizers, Portable	530	Syringes, Hypodermic, Tagliabue's	62-63
Sterilizers, Utensil	552	Syringes, Injecting	78-81
Sterilizers, Water	551	Syringes, Irrigating	338-339
Stetho-Clares	228-229	Syringes, Lachrymal	206-207
Stethoscopes	14-17	Syringes, Laryngeal	305
Still, Water	40-41	Syringes, Luer's	58-59
Stirrups, Bed	557	Syringes, Nasal	264-265
Stirrups, Table	557	Syringes, Paraffine	76
Stockings, Elastic	490-491	Syringes, Post Nasal	264-265
Stomach Aspirators	316-317	Syringes, Rectal	329
Stomach Clamps	317-319	Syringes, "Refo" Antitoxine	66-69
Stomach Electrodes	317	Syringes, "Refo" Hypodermic	66-69
Stomach Irrigators	316-317	Syringes, "Refo" Mercurial	66-69
Stomach Tubes	316-317	Syringes, "Refo" Salvarsan	66-69
Stone Searchers	360-361	Syringes, "Refo" Tuberculin	66-69
Stools, Foot	524	Syringes, Safety-Triumph	80-81
Stools, Office	524	Syringes, Salvarsan	68-70-73
Stools, Operators	524	Syringes, Tonsil	299
Strabismus Forceps	202-203	Syringes, Tuberculin	59-65
Strabismus Hooks	196-197	Syringes, Urethral	338-339
Strabismus Scissors	204-205	Syringes, Uterine	374-375
Straight Jackets	576		
Stretchers, Carrying	546		
Stretchers, Wheel	545		
Sub-Q Syringes, Hypodermic	65		
Substances, Embedding	35		
Suction Apparatus, Tonsil	299		
Sundries, Hypodermic	77		
Supporters, Abdominal	492-493		
Supporters, Scrotal	498		
Supporters, Uterine	402-403		
Supports, Ankle	464-465		
Supports, Instep	464-465		
Supports, Laboratory	40-41		
Surgeons Adhesive Plaster	188		
Surgeons Operating Aprons	189		
Surgeons Operating Cushions	558		
Surgeons Rubber Gloves	559		

T

Tables, Bedside	572
Tables, Compression, X-Ray	452
Tables, Instrument, Hospital	537-539
Tables, Instrument, Office	512-513
Tables, Laboratory	514
Tables, Office Examining	500-504
Tables, Operating	531-535
Table Plates, Electric	432-433
Tables, Radiographic	452
Table Stirrups	557
Tables, Treatment	510
Tables, Ward	540
Talipes Calcaneus Braces	466
Talipes Equinus Braces	466
Talipes Valgus braces	467
Talipes Varus Braces	467

	Page		Page
Taps, Current	426-428	Trays, Slide	34
Tattooing Needles	196-197	Trendelenberg's Chloroform Apparatus	308-309
Tenaculums, Dissecting	6-7	Trephine Brush	132
Tenaculums, General Operating	94	Trephining Elevators	132
Tenaculums, Uterine	385	Trephines	132
Tenaculum Forceps, Intestinal	105-320	Tripods, Extension	481
Tenaculum Forceps, Uterine	384-385	Tripods, Laboratory	41
Tendon Forceps	202-203	Trocars, Antrum	250-251
Tendon Tucker	205	Trocars, Gall Bladder	162-322-323
Tenotomy Scissors	204-205	Trocars, General	162-163
Tents, Dilating	379	Trocars, Ovarian	164
Test Papers	51	Trocars, Vesical	164
Test Sets, Urine	51	Trumpets, Ear	228-229
Test Tubes	42-43-50-51	Trusses	494-497
Test Tube Holders	50-51	Tuberculin Drill	63
Test Tube Racks	50-51	Tuberculin Syringes	59-65
Therapeutic Lamps, Electric	444-445	Tube Holder, X-Ray	460-461
Thermo-Cauteries	164	Tube Shields, X-Ray	460-461
Thermometers, Clinical	18-20	Tube Stands, X-Ray	455
Thermometers, Clinical, Harvard	20	Tubes, Bronchoscopic	314-315
Thermometers, Clinical, Jewel	20	Tubes, Conversation	229
Thermometers, Clinical, Standard	18-19	Tubes, Diagnostic	208
Thermometers, Clinical, Thessico	19	Tubes, Drainage, General	180-181
Thermometers, Clinical, Zipp	18-19	Tubes, Drainage, Prostatic	180-350
Thermometers, Incubator	42-43	Tubes, Gastroscopic	314-315
Thomas' Sterile Ligatures	160-161	Tubes, Laryngoscopic	314-315
Thomas' Sterile Sutures	160-161	Tubes, High Frequency	458-459
Throat Ice Bags	569	Tubes, Oesophogoscopic	314-315
Tissue Forceps, General	104-105	Tubes, Spray	266-269
Tissue Forceps, Uterine	383	Tubes, Stomach	316-317
Tongue Depressors	284-285	Tubes, Tracheal	308-309
Tongue Forceps	89	Tubes, Washing	256-257
Tonsilotomes	302-303	Tubes, X-Ray	456-457
Tonsil Curettes	287	Tubing Cutoffs	338-339-561
Tonsil Dissectors	288-289	Tucker, Appendix	114-115
Tonsil Expressors	300-301	Tucker, Tendon	205
Tonsil Forceps	290-291	Tucking Forceps, Appendix	322
Tonsil Haemostats	288-289	Tumor Forceps	388-391
Tonsil Hooks	288-289	Tumor Screws	391
Tonsil Knives	292-293	Tuning Forks	208-209
Tonsil Punches	294-297	Tupelo Tents	379
Tonsil Punches, Lingual	287	Twisters, Wire	400-401
Tonsil Scissors	298-299	Tympanums, Artificial	229
Tonsil Separators	299		
Tonsil Snares	300-301-303		
Tonsil Splitters	288-289		
Tonsil Suction Apparatus	299		
Tonsil Syringes	299		
Torniquets	135		
Torticollis Braces	480-481		
Towel Forceps	115		
Trachea Forceps	309		
Trachea Retractors	308-309		
Trachea Tubes	308-309		
Tracheatomes	308-309		
Trachoma Forceps	202-203		
Traction Handles	404-405		
Tractors, Prostatic	350-351		
Tractors, Uterine	385		
Transformers, Electric	438-439		
Transfusion Apparatus	56-57		
Transfusion Clamps	56-57		
Transilluminators, Eye	193		
Transilluminators, Nasal	258-259		
Trays, Food	573		
Trays, Instrument	564-565		

U

Umbilical Clamps	414-415
Umbilical Scissors	414-415
Umbilical Trusses	496
Undine Eye Dropper	207
University Examining Table	501
Urea Apparatus	50-51
Ureometers	50-51
Ureteral Catheters	364
Ureteral Instruments	363-364
Urethral Applicators	338-339
Urethral Bougies, Web	340-343
Urethral Dilators	346-347
Urethral Endoscopes	334-335-336-337
Urethral Forceps	363
Urethral Irrigators	338-339
Urethral Nozzles	338-339
Urethral Retrojectors	340-341
Urethral Sounds, Exploring	340-341-343
Urethral Sounds, Metal	344-345
Urethral Speculums	334-335

	Page		Page
Urethral Syringes	338-339	Victor Wall Plates	432
Urethrameters	346-347	Vulsellum Forceps, Uterine	386-387
Urethrascopes, Electric	336-337		
Urethrascopic Instruments	336-337	W	
Urethratomes	348-349	Wall Plates, Electric	431-433
Urinals, Enameled	566-567	Wall Plates, McIntosh	431-433
Urinals, Glass	566-567	Wall Plates, Victor	432
Urinals, Rubber	568	Wall Stands	541
Urinalysis Instruments	50-51	Wallace's Adjustable Bed	555
Urine Test Sets	50-51	Ward Carriages	544
Urinometers	50-51	Ward Tables	540
Uterine Applicators	370-371	Warming Plate	39
Uterine Curettes	374-378	Washing Tubes, Antrum	256-257
Uterine Depressors	379	Washing Tubes, Frontal Sinues	256-257
Uterine Dilators	379-381	Waste Boxes	230
Uterine Douches	382-383	Waste Pails, "Justrite"	521
Uterine Dressing Forceps	372-373	Waste Receptacles	521-565
Uterine Elevating Forceps	386-387	Waste Receptables, White Line	521
Uterine Elevators	374-375	Watch Glasses	42-43
Uterine Knives	397	Watch, Pulsograph	13
Uterine Polypus Forceps	388-389	Watch, Sphygmometer	13
Uterine Probes	374-375	Water Bath	39
Uterine Repositors	374-375	Water Beds	571
Uterine Scissors	398-399	Water Bottles	569-570
Uterine Sounds	374-375	Water Centrifuge	48
Uterine Stem Pessaries	401	Water Coils	569
Uterine Supporters	402-403	Water Sterilizers	551-548-549
Uterine Tenaculums	385	Water Stills	40-41
Uterine Tractors	385	Weak Leg Braces	472
Uterine Vulsellum Forceps	386-387	Wheel Stretchers	545
Uvula Retractors	287	Whistles	208-209
Uvula Scissors	287	White Line Instrument Tables	512-513-537-539
		White Line Operating Tables	531-535
V		White Line Sterilizers, High Pressure	550-551
Vacuum Apparatus, Bier's	54-55	White Line Sterilizers, Low Pressure	547-549
Vaginal Dilators	379	White Line Stools	524
Vaginal Douche, Hall's Expanding	369	White Line Waste Receptacles	521
Vaginal Irrigator, Hall's Expanding	369	"White Swan" Mattresses	556
Vaginal Retractors	396-397	Wire Baskets	39
Vaginal Speculums	366-369	Wire Cutting Scissors	400-401
Vaginal Speculum, Hall's	369	Wire Saws	128-129
Vaginal Speculum, Spark's	368	Wire, Silver	131-157
Valentine's Irrigators	338-339	Wire Twisters	400-401
Valentine's Tips, Glass	560-561	Wisconsin Sterilizing Outfit	527
Van Buren's Sounds	344	Wound Clip Forceps	155
Varicocele Needles	152-153	Wound Clips	155
Vectis	408-409	Wound Dressing Forceps	104-105
Vein Expander	57		
Vein Stripper, Mayo's	114	X	
Vein Stripping Forceps, Mayo's	115	X-Ray Apparatus	446-461
Vesicle Trocars	164	X-Ray Coils	446-451
Vial Cases, Pocket	424	X-Ray Coils, High Frequency	447-448-451
Vibratodes	443	X-Ray Screen, Protection	453
Vibrators, Electric	442	X-Ray Table, Radiographic	452
Vibrators, Portable, Electric	442	X-Ray Tube Shields	460
Victor Air Pump	270-271	X-Ray Tube Stands	455
Victor Bone Engine	133	X-Ray Tubes	456-457
Victor Electric Cabinets	432		
Victor Electric Centrifuge	46-47	Y	
Victor Electric Converters	426-438-439	Yale Office Examining Chair	505
Victor Electro Magnets	198	Young's Urethrascopes	336-337
Victor Generating Sets	435	Young's Urethrascopic Instruments	336-337
Victor High Frequency Apparatus	447-448		
Victor Radiographic Coils	446-447	Z	
Victor Radiographic Lamps	444-445	Zeroedone	349
Victor Transilluminator	259		
Victor Vibrators	442		

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